



951 TCCCTTAAGT TTTCCCTTAGCTAACTGGAA AGATGTCGAG CGGCTCGCTC  
AGGGAATTCA AACTGCGGAGC CATTGACCTT TCTACAGCTC GCCGAGCGAG

1001 ACAACCAGTC GGTAGATGTC AAGAAGAGAC GTTGGGTTAC CTTCTGCTCT  
TGTTGGTCAG CCATCTACAG TTCTTCTCTG CAACCCAATG GAAGACGAGA

1051 GCAGAAATGGC CAACCTTTAA CGTCGGATGG CCGCGAGACG GCACCTTTAA  
CGTCTTACCG GTTGGAAATT GCAGCCTACC GGCCTCTGC CGTGGAAATT

1101 CCGAGACCTC ATCACCAGG TTAAGATCAA GGTCTTTTCA CCTGGCCCGC  
GGCTCTGGAG TAGTGGGTCC AATTCTAGTT CCAGAAAAGT GGACCGGGCG

1151 ATGGACACCC AGACCAGGTC CCCTACATCG TGACCTGGGA AGCCTTGGCT  
TACCTGTGGG TCTGGTCCAG GGGATGTAGC ACTGGACCCT TCGGAACCGA

1201 TTTGACCCCC CTCCCTGGGT CAAGCCCTTT GTACACCCTA AGCCTCCGCC  
AAACTGGGGG GAGGGACCCA GTTCGGGAAA CATGTGGGAT TCGGAGGCGG

1251 TCCTCTTCCT CCATCCGCCC CGTCTCTCCC CTTTGAACCT CCTCGTTCGA  
AGGAGAAGGA GGTAGGCGGG GCAGAGAGGG GGAACCTGGA GGAGCAAGCT

1301 CCGCGCTCG ATCCTCCCTT TATCCAGCCC TCACTCCTTC TCTAGGCGCC  
GGGCGGAGC TAGGAGGGAA ATAGGTCGGG AGTGAGGAAG AGATCCGCGG

1351 GGCCGCTCTA GCCCATTAAT ACGACTCACT ATAGGGCGAT TCGAATCAGG  
CCGGCGAGAT CGGGTAATTA TGCTGAGTGA TATCCCGCTA AGCTTAGTCC

1401 CCTTGGCGCG CCGGATCCTT AATTAAGCGC AATTGGGAGG TGGCGGTAGC  
GGAACCGCGC GGCCTAGGAA TTAATTCGCG TTAACCCTCC ACCGCCATCG

+2 M G V I T D S L A V V A R T D  
]-----

1451 CTCGAGATGG GCGTGATTAC GGATTCCTG GCCGTCGTGG CCCGCACCGA  
GAGCTCTACC CGCACTAATG CCTAAGTGAC CGGCAGCACC GGGCGTGGCT

+2 R P S Q Q L R S L N G E W R F A  
-----

1501 TCGCCCTTCC CAACAGTTAC GCAGCCTGAA TGGCGAATGG CGCTTTGCCT  
AGCGGGAAGG GTTGTCAATG CGTCGGACTT ACCGCTTACC GCGAAACGGA

+2 W F P A P E A V P E S W L E C D L  
-----

1551 GGTTCCTCGGC ACCAGAAGCG GTGCCGGAAG GCTGGCTGGA GTGCGATCTT  
CCAAAGGCCG TGGTCTTCGC CACGGCCTTT CGACCGACCT CACGCTAGAA

+2 P E A D T V V V P S N W Q M H G Y  
-----

1601 CCTGAGGCCG ATACTGTCGT CGTCCCCTCA AACTGGCAGA TGCACGGTTA  
GGACTCCGGC TATGACAGCA GCAGGGGAGT TTGACCGTCT ACGTGCCAAT

+2 D A P I Y T N V T Y P I T V N P  
-----

1651 CGATGCGCCC ATCTACACCA ACGTGACCTA TCCATTACG GTCAATCCGC  
GCTACGCGGG TAGATGTGGT TGCCTGGAT AGGGTAATGC CAGTTAGGCG

FIG. 10C

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



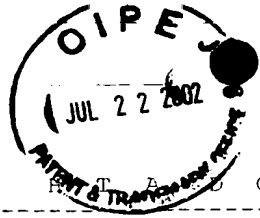
+2 P F V P P T G C Y S L T F N  
1701 CGTTTGTTC CACGGAGAAT CCGACGGGTT GTTACTCGCT CACATTTAAT  
GCAAACAAGG GTGCCTCTTA GGCTGCCCAA CAATGAGCGA GTGTAAATTA  
-----  
+2 V D E S W L Q E G Q T R I I F D G  
1751 GTTGATGAAA GCTGGCTACA GGAAGGCCAG ACGCGAATTA TTTTGTATGG  
CAACTACTTT CGACCGATGT CCTTCCGGTC TGCGCTTAAT AAAAATACC  
-----  
+2 V N S A F H L W C N G R W V G Y  
1801 CGTTAACTCG GCGTTTCATC TGTGGTGCAA CGGGCGCTGG GTCGGTTACG  
GCAATTGAGC CGCAAAGTAG ACACCACGTT GCCCGCGACC CAGCCAATGC  
-----  
+2 G Q D S R L P S E F D L S A F L R  
1851 GCCAGGACAG TCGTTTGCCG TCTGAATTTG ACCTGAGCGC ATTTTACGC  
CGGTCCTGTC AGCAAACGGC AGACTTAAAC TGGACTCGCG TAAAAATGCG  
-----  
+2 A G E N R L A V M V L R W S D G S  
1901 GCCGGAGAAA ACCGCCTCGC GGTGATGGTG CTGCGCTGGA GTGACGGCAG  
CGGCCTCTTT TGGCGGAGCG CCACTACCAC GACGCGACCT CACTGCCGTC  
-----  
+2 Y L E D Q D M W R M S G I F R D  
1951 TTATCTGGAA GATCAGGATA TGTGGCGGAT GAGCGGCATT TTCCGTGACG  
AATAGACCTT CTAGTCCTAT ACACCGCCTA CTCGCCGTAA AAGGCACTGC  
-----  
+2 V S L L H K P T T Q I S D F H V A  
2001 TCTCGTTGCT GCATAAACCG ACTACACAAA TCAGCGATTT CCATGTTGCC  
AGAGCAACGA CGTATTTGGC TGATGTGTTT AGTCGCTAAA GGTACAACGG  
-----  
+2 T R F N D D F S R A V L E A E V Q  
2051 ACTCGCTTTA ATGATGATTT CAGCCGCGCT GTACTGGAGG CTGAAGTTCA  
TGAGCGAAAT TACTACTAAA GTCGGCGCGA CATGACCTCC GACTTCAAGT  
-----  
+2 M C G E L R D Y L R V T V S L W  
2101 GATGTGCGGC GAGTTGCGTG ACTACCTACG GGTAACAGTT TCTTTATGGC  
CTACACGCCG CTCAACGCAC TGATGGATGC CCATTGTCAA AGAAATACCG  
-----  
+2 Q G E T Q V A S G T A P F G G E I  
2151 AGGGTGAAAC GCAGGTCGCC AGCGGCACCG CGCCTTTCGG CGGTGAAATT  
TCCCACTTTG CGTCCAGCGG TCGCCGTGGC GCGGAAAGCC GCCACTTTAA  
-----  
+2 I D E R G G Y A D R V T L R L N V  
2201 ATCGATGAGC GTGGTGTTA TGCCGATCGC GTCACACTAC GTCTGAACGT  
TAGCTACTCG CACCACCAAT ACGGCTAGCG CAGTGTGATG CAGACTTGCA  
-----  
+2 E N P K L W S A E I P N L Y R A  
2251 CGAAAACCCG AACTGTGGA GCGCCGAAAT CCCGAATCTC TATCGTGCGG  
GCTTTTGGGC TTTGACACCT CGCGGCTTTA GGGCTTAGAG ATAGCACGCC  
-----

RECEIVED

FIG. 10 D

JUL 25 2002

TECH CENTER 1600/2900



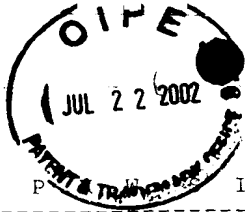
+2 V V E L E T A G T L I E A E A C  
2301 TGGTTGAACT GCACACCGCC GACGGCACGC TGATTGAAGC AGAAGCCTGC  
ACCAACTTGA CGTGTGGCGG CTGCCGTGCG ACTAACTTCG TCTTCGGACG  
-----  
+2 D V G F R E V R I E N G L L L L N  
2351 GATGTCGGTT TCCGCGAGGT GCGGATTGAA AATGGTCTGC TGCTGCTGAA  
CTACAGCCAA AGGCGCTCCA CGCCTAACTT TTACCAGACG ACGACGACTT  
-----  
+2 G K P L L I R G V N R H E H H P  
2401 CGGCAAGCCG TTGCTGATTC GAGGCGTTAA CCGTCACGAG CATCATCCTC  
GCCGTTCCGGC AACGACTAAG CTCCGCAATT GGCAGTGCTC GTAGTAGGAG  
-----  
+2 L H G Q V M D E Q T M V Q D I L L  
2451 TGCATGGTCA GGTCATGGAT GAGCAGACGA TGGTGCAGGA TATCCTGCTG  
ACGTACCAGT CCAGTACCTA CTCGTCTGCT ACCACGTCCT ATAGGACGAC  
-----  
+2 M K Q N N F N A V R C S H Y P N H  
2501 ATGAAGCAGA ACAACTTTAA CGCCGTGCGC TGTTTCGCATT ATCCGAACCA  
TACTTCGTCT TGTTGAAATT GCGGCACGCG ACAAGCGTAA TAGGCTTGGT  
-----  
+2 P L W Y T L C D R Y G L Y V V D  
2551 TCCGCTGTGG TACACGCTGT GCGACCGCTA CGGCCTGTAT GTGGTGGATG  
AGGCGACACC ATGTGCGACA CGCTGGCGAT GCCGGACATA CACCACCTAC  
-----  
+2 E A N I E T H G M V P M N R L T D  
2601 AAGCCAATAT TGAAACCCAC GGCATGGTGC CAATGAATCG TCTGACCGAT  
TTCGGTTATA ACTTTGGGTG CCGTACCACG GTTACTTAGC AGACTGGCTA  
-----  
+2 D P R W L P A M S E R V T R M V Q  
2651 GATCCGCGCT GGCTACCGGC GATGAGCGAA CGCGTAACGC GAATGGTGCA  
CTAGGCGCGA CCGATGGCCG CTA CTGCTT GCGCATTGCG CTTACCACGT  
-----  
+2 R D R N H P S V I I W S L G N E  
2701 GCGCGATCGT AATCACCCGA GTGTGATCAT CTGGTCGCTG GGGAATGAAT  
CGCGCTAGCA TTAGTGGGCT CACACTAGTA GACCAGCGAC CCCTTACTTA  
-----  
+2 S G H G A N H D A L Y R W I K S V  
2751 CAGGCCACGG CGCTAATCAC GACGCGCTGT ATCGCTGGAT CAAATCTGTC  
GTCCGGTGCC GCGATTAGTG CTGCGCGACA TAGCGACCTA GTTTAGACAG  
-----  
+2 D P S R P V Q Y E G G G A D T T A  
2801 GATCCTTCCC GCCCGGTGCA GTATGAAGGC GGC GGAGCCG ACACCACGGC  
CTAGGAAGGG CGGGCCACGT CATACTTCCG CCGCTCGGC TGTGGTGCCG  
-----  
+2 T D I I C P M Y A R V D E D Q P  
2851 CACCGATATT ATTTGCCCCG TGTACGCGCG CGTGGATGAA GACCAGCCCT  
GTGGCTATAA TAAACGGGCT ACATGCGCGC GCACCTACTT CTGGTCGGGA  
-----

FIG. 10E

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



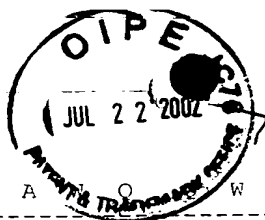
+2 F P A V P I K K W L S L P G  
2901 TCCCGGCTGT GCCGAAATGG TCCATCAAAA AATGGCTTTC GCTACCTGGA  
AGGGCCGACA CGGCTTTACC AGGTAGTTTT TTACCGAAAG CGATGGACCT  
-----  
+2 E T R P L I L C E Y A H A M G N S  
2951 GAGACGCGCC CGCTGATCCT TTGCGAATAC GCCCAGCGCA TGGGTAACAG  
CTCTGCGCGG GCGACTAGGA AACGCTTATG CGGGTGCGCT ACCCATTGTC  
-----  
+2 L G G F A K Y W Q A F R Q Y P R  
3001 TCTTGGCGGT TTCGCTAAAT ACTGGCAGGC GTTTCGTCAG TATCCCCGTT  
AGAACCGCCA AAGCGATTTA TGACCGTCCG CAAAGCAGTC ATAGGGGCAA  
-----  
+2 L Q G G F V W D W V D Q S L I K Y  
3051 TACAGGGCGG CTTGCTCTGG GACTGGGTGG ATCAGTCGCT GATTAAATAT  
ATGTCCCGCC GAAGCAGACC CTGACCCACC TAGTCAGCGA CTAATTTATA  
-----  
+2 D E N G N P W S A Y G G D F G D T  
3101 GATGAAAACG GCAACCCGTG GTCGGCTTAC GGCGGTGATT TTGGCGATAC  
CTACTTTTGC CGTTGGGCAC CAGCCGAATG CCGCCACTAA AACCGCTATG  
-----  
+2 P N D R Q F C M N G L V F A D R  
3151 GCCGAACGAT CGCCAGTTCT GTATGAACGG TCTGGTCTTT GCCGACCGCA  
CGGCTTGCTA GCGGTCAAGA CATACTTGCC AGACCAGAAA CGGCTGGCGT  
-----  
+2 T P H P A L T E A K H Q Q Q F F Q  
3201 CGCCGCATCC AGCGCTGACG GAAGCAAAAC ACCAGCAGCA GTTTTTCCAG  
GCGGCGTAGG TCGCGACTGC CTTGCTTTTG TGGTCGTCGT CAAAAGGTC  
-----  
+2 F R L S G Q T I E V T S E Y L F R  
3251 TTCCGTTTAT CCGGGCAAAC CATCGAAGTG ACCAGCGAAT ACCTGTTCCG  
AAGGCAAATA GGCCGTTTG GTAGCTTCAC TGGTCGCTTA TGGACAAGGC  
-----  
+2 H S D N E L L H W M V A L D G K  
3301 TCATAGCGAT AACGAGCTCC TGCACTGGAT GGTGGCGCTG GATGGTAAGC  
AGTATCGCTA TTGCTCGAGG ACGTGACCTA CCACCGCGAC CTACCATTTCG  
-----  
+2 P L A S G E V P L D V A P Q G K Q  
3351 CGCTGGCAAG CCGTGAAGTG CCTCTGGATG TCGCTCCACA AGGTAAACAG  
GCGACCGTTC GCCACTTCAC GGAGACCTAC AGCGAGGTGT TCCATTTGTC  
-----  
+2 L I E L P E L P Q P E S A G Q L W  
3401 TTGATTGAAC TGCCTGAACT ACCGCAGCCG GAGAGCGCCG GGCAACTCTG  
AACTAATTG ACGGACTTGA TGGCGTCGGC CTCTCGCGGC CCGTTGAGAC  
-----  
+2 L T V R V V Q P N A T A W S E A  
3451 GCTCACAGTA CGCGTAGTGC AACCAGACGC GACCGCATGG TCAGAAGCCG  
CGAGTGTCAT GCGCATCAG TTGGCTTGCG CTGGCGTACC AGTCTTCGGC  
-----

FIG. 10F

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



100AST 73

Page 1

+2 G H I S A Q W R L A E N L S V  
3501 GGCACATCAG CGCCTGGCAG CAGTGGCGTC TGGCGGAAAA CCTCAGTGTG  
CCGTGTAGTC GCGGACCCTC GTCACCGCAG ACCGCTTTT GGAGTCACAC

-----

+2 T L P A A S H A I P H L T T S E M  
3551 ACGCTCCCCG CCGCGTCCCA CGCCATCCCG CATCTGACCA CCAGCGAAAT  
TGCGAGGGGC GCGCGAGGGT GCGGTAGGGC GTAGACTGGT GGTCGCTTTA

-----

+2 D F C I E L G N K R W Q F N R Q  
3601 GGATTTTTGC ATCGAGCTGG GTAATAAGCG TTGGCAATTT AACCGCCAGT  
CCTAAAAACG TAGCTCGACC CATTATTCGC AACCGTTAAA TTGGCGGTCA

-----

+2 S G F L S Q M W I G D K K Q L L T  
3651 CAGGCTTTCT TTCACAGATG TGGATTGGCG ATAAAAACA ACTGCTGACG  
GTCCGAAAGA AAGTGTCTAC ACCTAACCGC TATTTTTTGT TGACGACTGC

-----

+2 P L R D Q F T R A P L D N D I G V  
3701 CCGCTGCGCG ATCAGTTCAC CCGTGCACCG CTGGATAACG ACATTGGCGT  
GGCGACGCGC TAGTCAAGTG GGCACGTGGC GACCTATTGC TGTAACCGCA

-----

+2 S E A T R I D P N A W V E R W K  
3751 AAGTGAAGCG ACCCGCATTG ACCCTAACGC CTGGGTCGAA CGCTGGAAGG  
TTCACCTCGC TGGGCGTAAC TGGGATTGCG GACCCAGCTT GCGACCTTCC

-----

+2 A A G H Y Q A E A A L L Q C T A D  
3801 CGGCGGGCCA TTACCAGGCC GAAGCAGCGT TGTTGCAGTG CACGGCAGAT  
GCCGCCCCGT AATGGTCCGG CTTCGTCGCA ACAACGTCAC GTGCCGTCTA

-----

+2 T L A D A V L I T T A H A W Q H Q  
3851 ACACTTGCTG ATGCGGTGCT GATTACGACC GCTCACGCGT GGCAGCATCA  
TGTGAACGAC TACGCCACGA CTAATGCTGG CGAGTGC GCA CCGTCGTAGT

-----

+2 G K T L F I S R K T Y R I D G S  
3901 GGGGAAAACC TTATTTATCA GCCGAAAAC CTACCGGATT GATGGTAGTG  
CCCCTTTTGG AATAAATAGT CGGCCTTTTG GATGGCCTAA CTACCATCAC

-----

+2 G Q M A I T V D V E V A S D T P H  
3951 GTCAAATGGC GATTACCGTT GATGTTGAAG TGGCGAGCGA TACACCGCAT  
CAGTTTACCG CTAATGGCAA CTACAACCTC ACCGCTCGCT ATGTGGCGTA

-----

+2 P A R I G L N C Q L A Q V A E R V  
4001 CCGGCGCGGA TTGGCCTGAA CTGCCAGCTG GCGCAGGTAG CAGAGCGGGT  
GGCCGCGCCT AACCGGACTT GACGGTCGAC GCGTCCATC GTCTCGCCCA

-----

+2 N W L G L G P Q E N Y P D R L T  
4051 AAAGTGGCTC GGATTAGGGC CGCAAGAAAA CTATCCCGAC CGCCTTACTG  
TTTGACCGAG CCTAATCCCG GCGTTCCTTT GATAGGGCTG GCGGAATGAC

FIG. 10G

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



+2 A A C F D R A T A L P L S D M Y T P  
4101 CCGCTGTTT TGACCGCTGG GATCTGCCAT TGTCAGACAT GTATACCCCG  
GGCGGACAAA ACTGGCGACC CTAGACGGTA ACAGTCTGTA CATATGGGGC  
-----  
+2 Y V F P S E N G L R C G T R E L N  
4151 TACGTCTTCC CGAGCGAAAA CGGTCTGCGC TGCGGGACGC GCGAATTGAA  
ATGCAGAAGG GCTCGCTTTT GCCAGACGCG ACGCCCTGCG CGCTTAACTT  
-----  
+2 Y G P H Q W R G D F Q F N I S R  
4201 TTATGGCCCA CACCAAGTGGC GCGGCGACTT CCAGTTCAAC ATCAGCCGCT  
AATACCGGGT GTGGTCACCG CGCCGCTGAA GGTCAAGTTG TAGTCGGCGA  
-----  
+2 Y S Q Q Q L M E T S H R H L L H A  
4251 ACAGTCAACA GCAACTGATG GAAACCAGCC ATCGCCATCT GCTGCACGCG  
TGTCAGTTGT CGTTGACTAC CTTTGGTCCG TAGCGGTAGA CGACGTGCGC  
-----  
+2 E E G T W L N I D G F H M G I G G  
4301 GAAGAAGGCA CATGGCTGAA TATCGACGGT TTCCATATGG GGATTGGTGG  
CTTCTTCCGT GTACCGACTT ATAGCTGCCA AAGGTATACC CCTAACCACC  
-----  
+2 D D S W S P S V S A E F Q L S A  
4351 CGAGACTCC TGGAGCCCGT CAGTATCGGC GGAATTCCAG CTGAGCGCCG  
GCTGCTGAGG ACCTCGGGCA GTCATAGCCG CCTTAAGGTC GACTCGCGGC  
-----  
+2 G R Y H Y Q L V W C Q K R S D Y K  
4401 GTCGCTACCA TTACCAAGTTG GTCTGGTGTC AAAAAAGATC TGA CTATAAA  
CAGCGATGGT AATGGTCAAC CAGACCACAG TTTTCTTAG ACTGATATTT  
-----  
+2 D E D L D H H H H H H R  
4451 GATGAGGACC TCGACCATCA TCATCATCAT CACCGGTAAT AATAGGTAGA  
CTACTCCTGG AGCTGGTAGT AGTAGTAGTA GTGGCCATTA TTATCCATCT  
-----  
4501 TAAGTGACTG ATTAGATGCA TTGATCCCTC GACCAATTCC GGTTATTTTC  
ATTCAC TGAC TAATCTACGT AACTAGGGAG CTGGTTAAGG CCAATAAAAG  
-----  
4551 CACCATATTG CCGTCTTTTG GCAATGTGAG GGCCCGGAAA CCTGGCCCTG  
GTGGTATAAC GGCAGAAAAC CGTTACACTC CCGGGCCTTT GGACCGGGAC  
-----  
4601 TCTTCTTGAC GAGCATTCCT AGGGGTCTTT CCCCTCTCGC CAAAGGAATG  
AGAAGAAGT CTCGTAAGGA TCCCCAGAAA GGGGAGAGCG GTTTCCTTAC  
-----  
4651 CAAGGTCTGT TGAATGTCGT GAAGGAAGCA GTTCCTCTGG AAGCTTCTTG  
GTTCCAGACA ACTTACAGCA CTTCTTCGT CAAGGAGACC TTCGAAGAAC  
-----  
4701 AAGACAAACA ACGTCTGTAG CGACCCTTTG CAGGCAGCGG AACCCCCAC  
TTCTGTTTGT TGCAGACATC GCTGGGAAAC GTCCGTCGCC TTGGGGGGTG  
-----  
4751 CTGGCGACAG GTGCCTCTGC GGCCAAAAGC CACGTGTATA AGATACACCT  
GACCGCTGTC CACGGAGACG CCGGTTTTCG GTGCACATAT TCTATGTGGA  
-----

FIG. 10H

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



RECEIVED

JUL 25 2002

5751 GGCTGACCGC TTCCTCGTGC TTTTGGCTAT CGCCGCTCCC GATTTCGCAGC  
CCGACTGGCG AAGGAGCACG AAATGCCATA GCGGCGAGGG CTAAGCGTCG

5801 GCATCGCCTT CTATCGCCTT CTTGACGAGT TCTTCTGAGC GGGACTCTGG  
CGTAGCGGAA GATAGCGGAA GAACTGCTCA AGAAGACTCG CCCTGAGACC

5851 GGTTTCGCATC GATAAAATAA AAGATTTTAT TTAGTCTCCA GAAAAAGGGG  
CCAAGCGTAG CTATTTTATT TTCTAAAATA AATCAGAGGT CTTTTTCCCC

5901 GGAATGAAAG ACCCCACCTG TAGGTTTGGC AAGCTAGCTT AAGTAACGCC  
CCTTACTTTC TGGGGTGGAC ATCCAAACCG TTCGATCGAA TTCATTGCGG

5951 ATTTTGCAAG GCATGGAAAA ATACATAACT GAGAATAGAG AAGTTCAGAT  
TAAAACGTTT CGTACCTTTT TATGTATTGA CTCTTATCTC TTCAAGTCTA

6001 CAAGGTCAGG AACAGATGGA ACAGCTGAAT ATGGGCCAAA CAGGATATCT  
GTTCCAGTCC TTGTCTACCT TGTCGACTTA TACCCGGTTT GTCCTATAGA

6051 GTGGTAAGCA GTTCCTGCCC CGGCTCAGGG CCAAGAACAG ATGGAACAGC  
CACCATTCTG CAAGGACGGG GCCGAGTCCC GGTCTTTGTC TACCTTGTCG

6101 TGAATATGGG CCAAACAGGA TATCTGTGGT AAGCAGTTCC TGCCCCGGCT  
ACTTATACCC GGTTTGTCTT ATAGACACCA TTCGTCAAGG ACGGGGCCGA

6151 CAGGGCCAAG AACAGATGGT CCCAGATGC GGTCCAGCCC TCAGCAGTTT  
GTCCCGGTTT TTGTCTACCA GGGGTCTACG CCAGGTCGGG AGTCGTCAAA

6201 CTAGAGAACC ATCAGATGTT TCCAGGGTGC CCCAAGGACC TGAAATGACC  
GATCTCTTGG TAGTCTACAA AGGTCCCACG GGGTTCCTGG ACTTTACTGG

6251 CTGTGCCTTA TTTGAAGTAA CCAATCAGTT CGCTTCTCGC TTCTGTTCGC  
GACACGGAAT AAACCTTGATT GGTTAGTCAA GCGAAGAGCG AAGACAAGCG

6301 GCGCTTCTGC TCCCCGAGCT CAATAAAAGA GCCACAACC CCTCACTCGG  
CGCGAAGACG AGGGGCTCGA GTTATTTTCT CGGGTGTGG GGAGTGAGCC

6351 GGCGCCAGTC CTCCGATTGA CTGAGTCGCC CGGGTACCCG TGTATCCAAT  
CCGCGGTCTAG GAGGCTAACT GACTCAGCGG GCCCATGGGC ACATAGGTTA

6401 AAACCCCTCTT GCAGTTGCAT CCGACTTGTG GTCTCGCTGT TCCTTGGGAG  
TTTGGGAGAA CGTCAACGTA GGCTGAACAC CAGAGCGACA AGGAACCCTC

6451 GGTCTCCTCT GAGTGATTGA CTACCCGTCA GCGGGGGTCT TTCATTCTATG  
CCAGAGGAGA CTCCTAACT GATGGGCAGT CGCCCCCAGA AAGTAAGTAC

6501 CAGCATGTAT CAAAATTAAT TTGGTTTTTT TTCTTAAGTA TTTACATTAA  
GTCGTACATA GTTTTAATTA AACCAAAAAA AAGAATTCAT AAATGTAATT

6551 ATGGCCATAG TTGCATTAAT GAATCGGCCA ACGCGCGGGG AGAGGCGGTT  
TACCGGTATC AACGTAATTA CTTAGCCGGT TGCGCGCCCC TCTCCGCCAA

6601 TCGGTATTGG CGCTCTTCCG CTTCTCTGCT CACTGACTCG CTGCGCTCGG  
ACGCATAACC GCGAGAAGGC GAAGGAGCGA GTGACTGAGC GACGCGAGCC

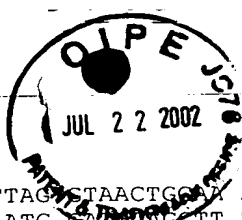
6651 TCGTTCGGCT GCGGCGAGCG GTATCAGCTC ACTCAAAGGC GGTAATACGG  
AGCAAGCCGA CGCCGCTCGC CATAGTCGAG TGAGTTTCCG CCATTATGCC

FIG. 10 I

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



1100000000

1100000000

951 TCCCTTAAGT TTGACCTTAG TAACTGCAAT AGATGTCGAG CGGCTCGCTC  
AGGGAATTCA AACTGGAATC CATTGCTT TCTACAGCTC GCCGAGCGAG

1001 ACAACCAGTC GGTAGATGTC AAGAAGAGAC GTTGGGTTAC CTTCTGCTCT  
TGTGGTCAG CCATCTACAG TTCTTCTCTG CAACCCAATG GAAGACGAGA

1051 GCAGAATGGC CAACCTTTAA CGTCGGATGG CCGCGAGACG GCACCTTTAA  
CGTCTTACCG GTTGGAATTT GCAGCCTACC GGCCTCTGTC CGTGGAATTT

1101 CCGAGACCTC ATCACCAGG TTAAGATCAA GGTCTTTTCA CCTGGCCCGC  
GGCTCTGGAG TAGTGGGTCC AATTCTAGTT CCAGAAAAGT GGACCGGGCG

1151 ATGGACACCC AGACCAGGTC CCCTACATCG TGACCTGGGA AGCCTTGCTT  
TACCTGTGGG TCTGGTCCAG GGGATGTAGC ACTGGACCCT TCGGAACCGA

1201 TTTGACCCCC CTCCCTGGGT CAAGCCCTTT GTACACCCTA AGCCTCCGCC  
AAACTGGGGG GAGGGACCCA GTTCGGGAAA CATGTGGGAT TCGGAGGCGG

1251 TCCTCTTCCT CCATCCGCCC CGTCTCTCCC CTTTGAACCT CCTCGTTCGA  
AGGAGAAGGA GGTAGGCGGG GCAGAGAGGG GGAACCTTGA GGAGCAAGCT

1301 CCCCCTCTCG ATCCTCCCTT TATCCAGCCC TCACTCCTTC TCTAGGCGCC  
GGGGCGGAGC TAGGAGGGAA ATAGGTCGGG AGTGAGGAAG AGATCCGCGG

1351 GGCCGCTCTA GCGCATTAAT ACGACTCACT ATAGGGCGAT TCGAACACCA  
CCGGCGAGAT CCGGTAATTA TGCTGAGTGA TATCCCGCTA AGCTTGTGGT

1401 TGCACCATCA TCATCATCAC GTCGACTATA AAGATGAGGA CCTCGAGATG  
ACGTGGTAGT AGTAGTAGTG CAGCTGATAT TTCTACTCCT GGAGCTCTAC

1451 GGCGTGATTA CGGATTCAC TGGCGTCGTG GCGCGCACCG ATCGCCCTTC  
CCGCACTAAT GCCTAAGTGA CCGGCAGCAC CCGGCGTGGC TAGCGGGAAG

1501 CCAACAGTTA CGCAGCCTGA ATGGCGAATG GCGCTTTGCC TGGTTTCCGG  
GGTTGTCAAT GCGTCGGACT TACCGCTTAC CGCGAAACGG ACCAAAGGCC

1551 CACCAGAAGC GGTGCCGGAA AGCTGGCTGG AGTGCGATCT TCCTGAGGCC  
GTGGTCTTCG CCACGGCCTT TCGACCGACC TCACGCTAGA AGGACTCCGG

1601 GATACTGTCG TCGTCCCCTC AAACCTGGCAG ATGCACGGTT ACGATGCGCC  
CTATGACAGC AGCAGGGGAG TTTGACCGTC TACGTGCCAA TGCTACGCGG

1651 CATCTACACC AACGTGACCT ATCCCATTA GGTCAATCCG CCGTTTGTTC  
GTAGATGTGG TTGCACTGGA TAGGGTAATG CCAGTTAGGC GGCAAACAAG

1701 CCACGGAGAA TCCGACGGGT TGTTACTCGC TCACATTTAA TGTTGATGAA  
GGTGCCTCTT AGGCTGCCCC ACAATGAGCG AGTGTAATTT ACAACTACTT

1751 AGCTGGCTAC AGGAAGGCCA GACGCGAATT ATTTTGTATG GCGTTAACTC  
TCGACCGATG TCCTTCCGGT CTGCGCTTAA TAAAACTAC CGCAATTGAG

1801 GCGGTTTCAT CTGTGGTGCA ACGGGCGCTG GGTGCGTTAC GGCCAGGACA  
CCGCAAGTA GACACCACTT TGGGCGGAGC CAGGCAATG CCGGTCTCTG

1851 GTCGTTTGCC GTCTGAATTT GACCTGAGCG CATTTTACG CGCCGGAGAA  
CAGCAAACGG CAGACTTAAA CTGGACTCGC GTAAAAATGC GCGGCTCTT

RECEIVED

FIG. 11C

JUL 25 2002

TECH CENTER 1600/29L





1901 AACCGCCTCG CGGTGATGGT ~~GTTTACCTCG~~ AGTGACGGCA GTTATCTGGA  
TTGGCGGAGC GCCACTACCA CGACGCGACC TCACTGCCGT CAATAGACCT

1951 AGATCAGGAT ATGTGGCGGA TGAGCGGCAT TTTCCGTGAC GTCTCGTTGC  
TCTAGTCCTA TACACCGCCT ACTCGCCGTA AAAGGCACTG CAGAGCAACG

2001 TGCATAAACC GACTACACAA ATCAGCGATT TCCATGTTGC CACTCGCTTT  
ACGTATTTGG CTGATGTGTT TAGTCGCTAA AGGTACAACG GTGAGCGAAA

2051 AATGATGATT TCAGCCGCGC TGTACTGGAG GCTGAAGTTC AGATGTGCGG  
TTACTACTAA AGTCGGCGCG ACATGACCTC CGACTTCAAG TCTACACGCC

2101 CGAGTTGCGT GACTACCTAC GGGTAACAGT TTCTTTATGG CAGGGTGAAA  
GCTCAACGCA CTGATGGATG CCCATTGTCA AAGAAATACC GTCCCACTTT

2151 CGCAGGTCGC CAGCGGCACC GCGCCTTTTCG GCGGTGAAAT TATCGATGAG  
GCGTCCAGCG GTCGCCGTGG CGCGGAAAGC CGCCACTTTA ATAGCTACTC

2201 CGTGGTGGTT ATGCCGATCG CGTCACACTA CGTCTGAACG TCGAAAACCC  
GCACCACCAA TACGGCTAGC GCAGTGTGAT GCAGACTTGC AGCTTTTGGG

2251 GAAACTGTGG AGCGCCGAAA TCCCGAATCT CTATCGTGCG GTGGTTGAAC  
CTTTGACACC TCGCGGCTTT AGGGCTTAGA GATAGCACGC CACCAACTTG

2301 TGCACACCGC CGACGGCACG CTGATTGAAG CAGAAGCCTG CGATGTCGGT  
ACGTGTGGCG GCTGCCGTGC GACTAACTTC GTCTTCGGAC GCTACAGCCA

2351 TTCCGCGAGG TGCGGATTGA AAATGGTCTG CTGCTGCTGA ACGGCAAGCC  
AAGGCGCTCC ACGCCTAACT TTTACCAGAC GACGACGACT TGCCGTTCCG

2401 GTTGCTGATT CGAGGCGTTA ACCGTCACGA GCATCATCCT CTGCATGGTC  
CAACGACTAA GCTCCGCAAT TGGCAGTGCT CGTAGTAGGA GACGTACCAG

2451 AGGTCATGGA TGAGCAGACG ATGGTGAGG ATATCCTGCT GATGAAGCAG  
TCCAGTACCT ACTCGTCTGC TACCACGTCC TATAGGACGA CTACTTCGTC

2501 AACAACTTTA ACGCCGTGCG CTGTTCGCAT TATCCGAACC ATCCGCTGTG  
TTGTTGAAAT TGCGGCACGC GACAAGCGTA ATAGGCTTGG TAGGCGACAC

2551 GTACACGCTG TGCGACCGCT ACGGCCTGTA TGTGGTGGAT GAAGCCAATA  
CATGTGCGAC ACGCTGGCGA TGCCGGACAT ACACCACCTA CTTTCGGTTAT

2601 TTGAAACCCA CGGCATGGTG CCAATGAATC GTCTGACCGA TGATCCGCGC  
AACTTTGGGT GCCGTACCAC GGTTACTTAG CAGACTGGCT ACTAGGCGCG

2651 TGGCTACCGG CGATGAGCGA ACGCGTAACG CGAATGGTGC AGCGCGATCG  
ACCGATGGCC GCTACTCGCT TGCGCATTGC GCTTACCACG TCGCGCTAGC

2701 TAATCACCCG AGTGTGATCA TCTGGTCGCT GGGGAATGAA TCAGGCCACG  
ATTAGTGGGC TCACACTAGT AGACCAGCGA CCCCTTACTT AGTCCGGTGC

2751 GCGCTAATCA CGACGCGCTG TATCGCTGGA TCAAATCTGT CGATCCTTCC  
~~EGCGATTAGT GCTGCGCGAC ATAGCGACCT AGTTTAGACA GCTAGGAAGG~~

2801 CGCCCCGGTGC AGTATGAAGG CGGCGGAGCC GACACCACGG CCACCGATAT  
GCGGGCCACG TCATACTTCC GCCGCCTCGG CTGTGGTGCC GGTGGCTATA

FIG. 11D

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



10:18 AM

Page 1

2851 TATTTGCCCG ATGTACGCGC ~~ATGATGATGA~~ AGACCAGCCC TTCCCGGCTG  
ATAAACGGGC TACATGCGCG CGCACCTACT TCTGGTCGGG AAGGGCCGAC

2901 TGCCGAAATG GTCCATCAAA AAATGGCTTT CGCTACCTGG AGAGACGCGC  
ACGGCTTTAC CAGGTAGTTT TTTACCGAAA GCGATGGACC TCTCTGCGCG

2951 CCGCTGATCC TTTGCGAATA CGCCACGCG ATGGGTAACA GTCTTGGCGG  
GGCGACTAGG AAACGCTTAT GCGGGTGCGC TACCCATTGT CAGAACCGCC

3001 TTTTCGTAAA TACTGGCAGG CGTTTCGTCA GTATCCCCGT TTACAGGGCG  
AAAGCGATTT ATGACCGTCC GCAAAGCAGT CATAGGGGCA AATGTCCCGC

3051 GCTTCGTCTG GGAAGCAAAA CACCAGCAGC AGTTTTTCCA GTTCCGTTTA  
CGAAGCAGAC CCTGACCCAC CTAGTCAGCG ACTAATTTAT ACTACTTTTG

3101 GGCAACCCGT GGTCGGCTTA CGGCGGTGAT TTTGGCGATA CGCCGAACGA  
CCGTTGGGCA CCAGCCGAAT GCCGCCACTA AAACCGCTAT GCGGCTTGCT

3151 TCGCCAGTTC TGTATGAACG GTCTGGTCTT TGCCGACCGC ACGCCGCATC  
AGCGGTCAAG ACATACTTGC CAGACCAGAA ACGGCTGGCG TGCGGCGTAG

3201 CAGCGCTGAC GGAAGCAAAA CACCAGCAGC AGTTTTTCCA GTTCCGTTTA  
GTCGCGACTG CCTTCGTTTT GTGGTCGTCG TCAAAAAGGT CAAGGCAAT

3251 TCCGGGCAAA CCATCGAAGT GACCAGCGAA TACCTGTTCC GTCATAGCGA  
AGGCCCGTTT GGTAGCTTCA CTGGTCGCTT ATGGACAAGG CAGTATCGCT

3301 TAACGAGCTC CTGCACTGGA TGGTGGCGCT GGATGGTAAG CCGCTGGCAA  
ATTGCTCGAG GACGTGACCT ACCACCGCGA CCTACCATTG GCGACCGTT

3351 GCGGTGAAGT GCCTCTGGAT GTCGCTCCAC AAGGTAAACA GTTGATTGAA  
CGCCACTTCA CGGAGACCTA CAGCGAGGTG TTCCATTTGT CAACTAACTT

3401 CTGCCTGAAC TACCGCAGCC GGAGAGCGCC GGGCAACTCT GGCTCACAGT  
GACGGACTTG ATGGCGTCGG CCTCTCGCGG CCCGTTGAGA CCGAGTGTCA

3451 ACGCGTAGTG CAACCGAACG CGACCGCATG GTCAGAAGCC GGGCACATCA  
TGCGCATCAC GTTGGCTTGC GCTGGCGTAC CAGTCTTCGG CCCGTGTAGT

3501 GCGCCTGGCA GCAGTGGCGT CTGGCGGAAA ACCTCAGTGT GACGCTCCCC  
CGCGGACCGT CGTCACCGCA GACCGCCTTT TGGAGTCACA CTGCGAGGGG

3551 GCCGCTGCC ACGCCATCCC GCATCTGACC ACCAGCGAAA TGGATTTTTG  
CGGCGCAGGG TGCGGTAGGG CGTAGACTGG TGGTCGCTTT ACCTAAAAAC

3601 CATCGAGCTG GGTAAATAAGC GTTGGCAATT TAACCGCCAG TCAGGCTTTC  
GTAGCTCGAC CCATTATTTC CAACCGTTAA ATTGGCGGTC AGTCCGAAAG

3651 TTTACAGAT GTGGATTGGC GATAAAAAAC AACTGCTGAC GCCGCTGCGC  
AAAGTGTCTA CACCTAACCG CTATTTTTTG TTGACGACTG CGGCGACGCG

3701 GATCAGTTCA CCCGTGCACC GCTGGATAAC GACATTGGCG TAAGTGAAGC  
~~CTAGTCAAGT~~ ~~GGGCACGTGG~~ ~~CGACCTATTG~~ ~~CTGTAAACCG~~ ~~ATCACTTCG~~

3751 GACCCGCATT GACCCTAACG CCTGGGTCGA ACGCTGGAAG GCGGCGGGCC  
CTGGGCGTAA CTGGGATTGC GGACCCAGCT TGGGACCTTC CGCCGCCCCG

FIG. 11E

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



3801 ATTACCAGGC CGAAGCAGG TCGTCCAGT GCACGGCAGA TACACTTGCT  
TAATGGTCCG GCTTCGTCCG TCAACGTCA CGTGCCGTCT ATGTGAACGA

3851 GATGCGGTGC TGATTACGAC CGCTCACGCG TGGCAGCATC AGGGGAAAAC  
CTACGCCACG ACTAATGCTG GCGAGTGCGC ACCGTCGTAG TCCCCTTTTG

3901 CTTATTTATC AGCCGGAAAA CCTACCGGAT TGATGGTAGT GGTCAAATGG  
GAATAAATAG TCGGCCTTTT GGATGGCCTA ACTACCATCA CCAGTTTACC

3951 CGATTACCGT TGATGTTGAA GTGGCGAGCG ATACACCGCA TCCGGCGCGG  
GCTAATGGCA ACTACAACCT CACCGCTCGC TATGTGGCGT AGGCCGCGCC

4001 ATTGGCCTGA ACTGCCAGCT GGCGCAGGTA GCAGAGCGGG TAAACTGGCT  
TAACCGGACT TGACGGTCGA CCGCGTCCAT CGTCTCGCCC ATTTGACCGA

4051 CGGATTAGGG CCGCAAGAAA ACTATCCCGA CCGCCTTACT GCCGCCTGTT  
GCCTAATCCC GCGTTCTTTT TGATAGGGCT GCGGGAATGA CGGCGGACAA

4101 TTGACCGCTG GGATCTGCCA TTGTCAGACA TGTATACCCC GTACGTCTTC  
AACTGGCGAC CCTAGACGGT AACAGTCTGT ACATATGGGG CATGCAGAAG

4151 CCGAGCGAAA ACGGTCTGCG CTGCGGGACG CGCGAATTGA ATTATGGCCC  
GGCTCGCTTT TGCCAGACGC GACGCCCTGC GCGCTTAACT TAATACCGGG

4201 ACACCAAGTGG CGCGGCGACT TCCAGTTCAA CATCAGCCGC TACAGTCAAC  
TGTGGTCAAC GCGCCGCTGA AGGTCAAGTT GTAGTCGCGC ATGTCAGTTG

4251 AGCAACTGAT GGAAACCAGC CATCGCCATC TGCTGCACGC GGAAGAAGGC  
TCGTTGACTA CCTTTGGTCG GTAGCGGTAG ACGACGTGCG CCTTCTTCCG

4301 ACATGGCTGA ATATCGACGG TTTCCATATG GGGATTGGTG GCGACGACTC  
TGTACCGACT TATAGCTGCC AAAGGTATAC CCCTAACCAC CGCTGCTGAG

4351 CTGGAGCCCG TCAGTATCGG CGGAATTCCA GCTGAGCGCC GGTCGCTACC  
GACCTCGGGC AGTCATAGCC GCCTTAAGGT CGACTCGCGG CCAGCGATGG

4401 ATTACCAGTT GGTCTGGTGT CAAAAAAGAT CTGGAGGTGG TGGCAGCAGG  
TAATGGTCAA CCAGACCACA GTTTTTTCTA GACCTCCACC ACCGTCGTCC

4451 CCTTGGCGCG CCGGATCCTT AATTAACAAT TGACCGGTAA TAATAGGTAG  
GGAACCGCGC GGCCTAGGAA TTAATTGTTA ACTGGCCATT ATTATCCATC

4501 ATAAGTGACT GATTAGATGC ATTGATCCCT CGACCAATTG CGGTTATTTT  
TATTCATGA CTAATCTACG TAACTAGGGA GCTGGTTAAG GCCAATAAAA

4551 CCACCATATT GCCGTCTTTT GGCAATGTGA GGGCCCGGAA ACCTGGCCCT  
GGTGGTATAA CGGCAGAAAA CCGTTACACT CCCGGGCCTT TGGACCGGGA

4601 GTCTTCTTGA CGAGCATTCC TAGGGGTCTT TCCCCTCTCG CCAAAGGAAT  
CAGAAGAACT GCTCGTAAGG ATCCCCAGAA AGGGGAGAGC GGTTTCCTTA

4651 GCAAGGTCTG TTGAATGTCG TGAAGGAAGC AGTTCCTCTG GAAGCTTCTT  
CGTTCCAGAC AACTTACAGC ACTTCCTCTG TCAAGGAGAC CTTCGAAGAA

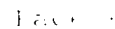
4701 GAAGACAAAC AACGTCTGTA GCGACCCTTT GCAGGCAGCG GAACCCCCCA  
CTTCTGTTTG TTGCAGACAT CGCTGGGAAA CGTCCGTCGC CTTGGGGGGT

FIG. 11F

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



5701 GGACATAGCG TTGGCTACCG GGCATATGCG TGAAGAGCTT GCGGGCGAAT  
CCTGTATCGC AACCGATGGG CACTATAACG ACTTCTCGAA CCGCCGCTTA

5751 GGGCTGACCG CTTCTCTCGTG CTTTACGGTA TCGCCGCTCC CGATTTCGCAG  
CCCGACTGGC GAAGGAGCAC GAAATGCCAT AGCGGCGAGG GCTAAGCGTC

5801 CGCATCGCCT TCTATCGCCT TCTTGACGAG TTCTTCTGAG CGGGACTCTG  
GCGTAGCGGA AGATAGCGGA AGAACTGCTC AAGAAGACTC GCCCTGAGAC

5851 GGGTTCGCAT CGATAAAATA AAAGATTTTA TTTAGTCTCC AGAAAAAGGG  
CCCAAGCGTA GCTATTTTAT TTTCTAAAT AAATCAGAGG TCTTTTTCCC

5901 GGGAATGAAA GACCCACCT GTAGGTTTG CAAGCTAGCT TAAGTAACGC  
CCCTTACTTT CTGGGGTGA CATCCAAACC GTTCGATCGA ATTCATTGCG

5951 CATTTTGCAA GGCATGGAAA AATACATAAC TGAGAATAGA GAAGTTCAGA  
GTAAACGTT CCGTACCTTT TTATGTATTG ACTCTTATCT CTTCAAGTCT

6001 TCAAGGTCAG GAACAGATGG AACAGCTGAA TATGGGCCAA ACAGGATATC  
AGTTCCAGTC CTTGTCTACC TTGTCGACTT ATACCCGGTT TGTCTATAG

6051 TGTGGTAAGC AGTTCCTGCC CCGGCTCAGG GCCAAGAACA GATGGAACAG  
ACACCATTCTG TCAAGGACGG GGCCGAGTCC CGGTTCTTGT CTACCTTGTC

6101 CTGAATATGG GCCAAACAGG ATATCTGTGG TAAGCAGTTC CTGCCCCGGC  
GACTTATACC CGGTTTGTCC TATAGACACC ATTCGTCAAG GACGGGGCCG

6151 TCAGGGCCAA GAACAGATGG TCCCAGATG CGGTCCAGCC CTCAGCAGTT  
AGTCCCGGTT CTTGTCTACC AGGGGTCTAC GCCAGGTCGG GAGTCGTCAA

6201 TCTAGAGAAC CATCAGATGT TTCCAGGGTG CCCCAGGAC CTGAAATGAC  
AGATCTCTTG GTAGTCTACA AAGGTCCCAC GGGGTTCTG GACTTTACTG

6251 CCTGTGCCTT ATTTGAACTA ACCAATCAGT TCGCTTCTCG CTTCTGTTCG  
GGACACGGAA TAAACTTGAT TGGTTAGTCA AGCGAAGAGC GAAGACAAGC

6301 CGCGCTTCTG CTCCCCGAGC TCAATAAAAG AGCCCACAAC CCCTCACTCG  
GCGGAAGAC GAGGGGCTCG AGTTATTTTC TCGGGTGTTG GGGAGTGAGC

6351 GGGCGCCAGT CCTCCGATTG ACTGAGTCGC CCGGGTACCC GTGTATCCAA  
CCCGCGGTCA GGAGGCTAAC TGACTCAGCG GGCCCATGGG CACATAGGTT

6401 TAAACCCTCT TGCAGTTGCA TCCGACTTGT GGTCTCGCTG TTCCTTGGA  
ATTGAGGAGA ACGTCAACGT AGGCTGAACA CCAGAGCGAC AAGGAACCTT

6451 GGGTCTCCTC TGAGTGATTG ACTACCCGTC AGCGGGGGTC TTTTATTTCAT  
CCCAGAGGAG ACTCACTAAC TGATGGGCAG TCGCCCCCAG AAAGTAAGTA

6501 GCAGCATGTA TCAAAATTAA TTTGGTTTTT TTTCTTAAGT ATTTACATTA  
CGTCGTACAT AGTTTTAATT AAACCAAAAA AAAGAATTCA TAAATGTAAT

6551 AATGGCCATA GTTGCAATTA TGAATCGGCC AACGCGCGGG GAGAGGCGGT  
TTACCGGTAT CAACGTAATT ACTTAGCCGG TTGCGCGCCC CTCTCCGCCA

6601 TTGCGTATTG GCGCTCTTCC GCTTCCTCGC TCACTGACTC GCTGCGCTCG  
AACGCATAAC CGCGAGAAGG CGAAGGAGCG AGTGACTGAG CGACGCGAGC

RECEIVED

FIG. 11H

JUL 25 2002

TECH CENTER 1600/2900



6651 GTCGTTCCGGC TGC GGCGAGG TCGTACAGCT CACTCAAAGG CGGTAATACG  
CAGCAAGCCG ACGCCGCTCG CCATAGTCGA GTGAGTTTCC GCCATTATGC

6701 GTTATCCACA GAATCAGGGG ATAACGCAGG AAAGAACATG TGAGCAAAAG  
CAATAGGTGT CTTAGTCCCC TATTGCGTCC TTTCTTGTAC ACTCGTTTTT

6751 GCCAGCAAAA GGCCAGGAAC CGTAAAAAGG CCGCGTTGCT GCGTTTTTTC  
CGGTCGTTTT CCGGTCCTTG GCATTTTTTCC GGC GCAACGA CCGCAAAAAG

6801 CATAGGCTCC GCCCCCTGA CGAGCATCAC AAAAATCGAC GCTCAAGTCA  
GTATCCGAGG CGGGGGGACT GCTCGTAGTG TTTTGTAGTG CGAGTTCAGT

6851 GAGGTGGCGA AACCCGACAG GACTATAAAG ATACCAGGCG TTTCCCCCTG  
CTCCACCGCT TTGGGCTGTC CTGATATTTT TATGGTCCGC AAAGGGGGAC

6901 GAAGCTCCCT CGTGCGCTCT CCTGTTCCGA CCCTGCCGCT TACCGGATAC  
CTTCGAGGGA GCACGCGAGA GGACAAGGCT GGGACGGCGA ATGGCCTATG

6951 CTGTCCGCCT TTCTCCCTTC GGAAGCGTG GCGCTTCTC ATAGCTCACG  
GACAGGCGGA AAGAGGGAAG CCTTCGCAC CGCGAAAGAG TATCGAGTGC

7001 CTGTAGGTAT CTCAGTTCGG TGTAGGTCGT TCGCTCCAAG CTGGGCTGTG  
GACATCCATA GAGTCAAGCC ACATCCAGCA AGCGAGGTTC GACCCGACAC

7051 TGCACGAACC CCCC GTTCAG CCCGACCGCT GCGCCTTATC CGGTAACAT  
ACGTGCTTGG GGGGCAAGTC GGGCTGGCGA CGCGGAATAG GCCATTGATA

7101 CGTCTTGAGT CCAACCCGGT AAGACACGAC TTATCGCCAC TGGCAGCAGC  
GCAGAACTCA GGTTGGGCCA TTCTGTGCTG AATAGCGGTG ACCGTCGTCG

7151 CACTGGTAAC AGGATTAGCA GAGCGAGGTA TG TAGGCGGT GCTACAGAGT  
GTGACCATTG TCCTAATCGT CTCGCTCCAT ACATCCGCCA CGATGTCTCA

7201 TCTTGAAGTG GTGGCCTAAC TACGGCTACA CTAGAAGAAC AGTATTTGGT  
AGAACTTCAC CACCGGATTG ATGCCGATGT GATCTTCTTG TCATAAACCA

7251 ATCTGCGCTC TGCTGAAGCC AGTTACCTTC GGAAAAAGAG TTGGTAGCTC  
TAGACGCGAG ACGACTTCGG TCAATGGAAG CCTTTTTTCTC AACCATCGAG

7301 TTGATCCGGC AAACAAACCA CCGCTGGTAG CCGTGGTTTT TTTGTTTGCA  
AACTAGGCCG TTTGTTTGGT GCGGACCATC GCCACCAAAA AAACAAACGT

7351 AGCAGCAGAT TACGCGCAGA AAAAAAGGAT CTCAAGAAGA TCCTTTGATC  
TCGTCGTCTA ATGCGCGTCT TTTTTTCTA GAGTTCTTCT AGGAAACTAG

7401 TTTTCTACGG GGTCTGACGC TCAGTGGAAC GAAAACTCAC GTTAAGGGAT  
AAAAGATGCC CCAGACTGCG AGTCACCTTG CTTTGTAGTG CAATTCCTA

7451 TTTGGTCATG AGATTATCAA AAAGGATCTT CACCTAGATC CTTTTGCGGC  
AAACCAGTAC TCTAATAGTT TTTCTAGAA GTGGATCTAG GAAAACGCCG

7501 CGCAAATCAA TCTAAAGTAT ATATGAGTAA ACTTGGTCTG ACAGTTACCA  
GCGTTTAGTT AGATTTGATA TATACTCATT TGAACCAGAC TGTCATGGT

7551 ATGCTTAATC AGTGAGGCAC CTATCTCAGC GATCTGTCTA TTTCGTTTAT  
TACGAATTAG TCACTCCGTG GATAGAGTCG CTAGACAGAT AAAGCAAGTA

FIG. 11 I

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



7601 CCATAGTTGC CTGACTCCCC TCGCTGAGGA TAACTACGAT ACGGGAGGGC  
GGTATCAACG GACTGAGGGG CAGCACATCT ATTGATGCTA TGCCCTCCCG

7651 TTACCATCTG GCCCCAGTGC TGCAATGATA CCGCGAGACC CACGCTCACC  
AATGGTAGAC CGGGGTCACG ACGTTACTAT GCGCTCTGG GTGCGAGTGG

7701 GGCTCCAGAT TTATCAGCAA TAAACCAGCC AGCCGGAAGG GCCGAGCGCA  
CCGAGGTCTA AATAGTCGTT ATTTGGTCGG TCGGCTTCC CGGCTCGCGT

7751 GAAGTGGTCC TGCAACTTTA TCCGCCTCCA TCCAGTCTAT TAATTGTTGC  
CTTCACCAGG ACGTTGAAAT AGGCGGAGGT AGGTCAGATA ATTAACAACG

7801 CGGGAAGCTA GAGTAAGTAG TTCGCCAGTT AATAGTTTGC GCAACGTTGT  
GCCCTTCGAT CTCATTTCATC AAGCGGTCAA TTATCAAACG CGTTGCAACA

7851 TGCCATTGCT ACAGGCATCG TGGTGTACG CTCGTCGTTT GGTATGGCTT  
ACGGTAACGA TGTCCGTAGC ACCACAGTGC GAGCAGCAAA CCATACCGAA

7901 CATTAGCTC CGGTTCCCAA CGATCAAGGC GAGTTACATG ATCCCCCATG  
GTAAGTCGAG GCCAAGGGTT GCTAGTTCCG CTCAATGTAC TAGGGGGTAC

7951 TTGTGCAAAA AAGCGGTTAG CTCCTTCGGT CCTCCGATCG TTGTCAGAAG  
AACACGTTTT TTCGCCAATC GAGGAAGCCA GGAGGCTAGC AACAGTCTTC

8001 TAAGTTGGCC GCAGTGTTAT CACTCATGGT TATGGCAGCA CTGCATAATT  
ATTCAACCGG CGTCACAATA GTGAGTACCA ATACCGTCGT GACGTATTAA

8051 CTCTTACTGT CATGCCATCC GTAAGATGCT TTTCTGTGAC TGGTGAGTAC  
GAGAATGACA GTACGGTAGG CATTCTACGA AAAGACACTG ACCACTCATG

8101 TCAACCAAGT CATTCTGAGA ATAGTGATAG CGGCGACCGA GTTGCTCTTG  
AGTTGGTTCA GTAAGACTCT TATCACATAC GCCGCTGGCT CAACGAGAAC

8151 CCCGGCGTCA ATACGGGATA ATACCGCGCC ACATAGCAGA ACTTTAAAAG  
GGGCCGAGT TATGCCCTAT TATGGCGCGG TGTATCGTCT TGAAATTTTC

8201 TGCTCATCAT TGGAAAACGT TCTTCGGGGC GAAAACTCTC AAGGATCTTA  
ACGAGTAGTA ACCTTTTGCA AGAAGCCCCG CTTTTGAGAG TTCCTAGAAT

8251 CCGCTGTTGA GATCCAGTTC GATGTAACCC ACTCGTGCAC CCAACTGATC  
GGCGACAACCT CTAGGTCAAG CTACATTGGG TGAGCACGTG GGTGACTAG

8301 TTCAGCATCT TTTACTTTCA CCAGCGTTTC TGGGTGAGCA AAAACAGGAA  
AAGTCGTAGA AAATGAAAGT GGTGCGCAAAG ACCCACTCGT TTTTGTCTTT

8351 GGCAAAATGC CGCAAAAAAG GGAATAAGGG CGACACGGAA ATGTTGAATA  
CCGTTTTACG GCGTTTTTTC CCTTATTCCC GCTGTGCCTT TACAACCTAT

8401 CTCATACTCT TCCTTTTTCA ATATTATTGA AGCATTATC AGGGTTATTG  
GAGTATGAGA AGGAAAAAGT TATAATAACT TCGTAAATAG TCCCAATAAC

8451 TCTCATGAGC GGATACATAT TTGAATGTAT TTAGAAAAAT AAACAAATAG  
AGAGTACTCG CCTATGTATA AACTTACATA AATCTTTTTC TTTGTTTATC

8501 GGGTTCGCG CACATTC  
CCCAAGGCG GTGTAAAG

RECEIVED

FIG. 11J

JUL 25 2002

TECH CENTER 1600/2900



951 TCCCTTAAGT TTGACCTTAG ~~CGTCTCTCCC~~ AGATGTCGAG CGGCTCGCTC  
AGGGAATTCA AACTGGAATC CATTGACCTT TCTACAGCTC GCCGAGCGAG

1001 ACAACCAGTC GGTAGATGTC AAGAAGAGAC GTTGGGTTAC CTTCTGCTCT  
TGTTGGTCAG CCATCTACAG TTCTTCTCTG CAACCCAATG GAAGACGAGA

1051 GCAGAATGGC CAACCTTTAA CGTCGGATGG CCGCGAGACG GCACCTTTAA  
CGTCTTACCG GTTGGAAATT GCAGCCTACC GGCCTCTGTC CGTGGAAATT

1101 CCGAGACCTC ATCACCCAGG TTAAGATCAA GGTCTTTTCA CCTGGCCCGC  
GGCTCTGGAG TAGTGGGTCC AATTCTAGTT CCAGAAAAGT GGACCGGGCG

1151 ATGGACACCC AGACCAGGTC CCCTACATCG TGACCTGGGA AGCCTTGGCT  
TACCTGTGGG TCTGGTCCAG GGGATGTAGC ACTGGACCCT TCGGAACCGA

1201 TTTGACCCCC CTCCCTGGGT CAAGCCCTTT GTACACCCTA AGCCTCCGCC  
AACTGGGGG GAGGGACCCA GTTCGGGAAA CATGTGGGAT TCGGAGGCGG

1251 TCCTCTTCCT CCATCCGCCC CGTCTCTCCC CTTTGAACCT CCTCGTTCGA  
AGGAGAAAGGA GGTAGGCGGG GCAGAGAGGG GGAACCTGGA GGAGCAAGCT

1301 CCCC GCCTCG ATCCTCCCTT TATCCAGCCC TCACTCCTTC TCTAGGCGCC  
GGGGCGGAGC TAGGAGGGAA ATAGGTCGGG AGTGAGGAAG AGATCCGCGG

1351 GGCCGCTCTA GCCCATTAAT ACGACTCACT ATAGGGCGAT TCGAATCAGG  
CCGGCGAGAT CGGGTAATTA TGCTGAGTGA TATCCCCTA AGCTTAGTCC

1401 CCTTGGCGCG CCGGATCCTT AATTAAGCGC AATTGGGAGG TGGCGGTAGC  
GGAACGCGC GGCTAGGAA TTAATTCGCG TTAACCCTCC ACCGCCATCG

1451 CTCGAGATGG GCGTGATTAC GGATTCACCTG GCCGTCGTTT TACAACGTCG  
GAGCTCTACC CGCACTAATG CCTAAGTGAC CGGCAGCAAA ATGTTGCAGC

1501 TGA CTGGGAA AACCCTGGCG TTACCCAACT TAATCGCCTT GCAGCACATC  
ACTGACCCTT TTGGGACCGC AATGGGTTGA ATTAGCGGAA CGTCGTGTAG

1551 CCCCTTTTCG CAGCTGGCGT AATAGCGAAG AGGCCCGCAC CGATCGCCCT  
GGGGAAAGCG GTCGACCGCA TTATCGCTTC TCCGGGCGTG GCTAGCGGGA

1601 TCCCAACAGT TACGCAGCCT GAATGGCGAA TGGCGCTTTG CCTGGTTTCC  
AGGGTTGTCA ATGCGTCGGA CTTACCGCTT ACCGCGAAAC GGACCAAAGG

1651 GGCACCAGAA GCGGTGCCGG AAAGCTGGCT GGAGTGCGAT CTTCTGAGG  
CCGTGGTCTT CGCCACGGCC TTTCGACCGA CCTCACGCTA GAAGGACTCC

1701 CCGATACTGT CGTCGTCCCC TCAA CTGGC AGATGCACGG TTACGATGCG  
GGCTATGACA GCAGCAGGGG AGTTTGACCG TCTACGTGCC AATGCTACGC

1751 CCCATCTACA CCAACGTGAC CTATCCCAT TACGGTCAATC CGCCGTTTGT  
GGGTAGATGT GGTTGCACTG GATAGGGTAA TGCCAGTTAG GCGGCAAACA

1801 TCCACGGAG AATCCGACGG GTTGTTACTC GCTCACATTT AATGTTGATG  
AGGGTGCCCTC ~~TTAGGETGEE~~ ~~CAACAATGAG~~ ~~CGAGTGTA~~ ~~TTACA~~ ~~ACTAC~~

1851 AAAGCTGGCT ACAGGAAGGC CAGACGCGAA TTATTTTTGA TGGCGTTAAC  
TTTCGACCGA TGTCCTTCCG GTCTGCGCTT AATAAAA ACT ACCGCAATTG

RECEIVED

FIG. 12C

JUL 25 2002

TECH CENTER 1600/2900





1901 TCGGCGTTTC ATCTGTGGTG CAGTGGGCTT TGGGTCGGTT ACGGCCAGGA  
AGCCGCAAAG TAGACACCAC GTTGCCCGCG ACCCAGCCAA TGCCGGTCCT

1951 CAGTCGTTTG CCGTCTGAAT TTGACCTGAG CGCATTTTTA CGCGCCGAG  
GTCAGCAAAC GGCAGACTTA AACTGGACTC GCGTAAAAAT GCGCGGCCCTC

2001 AAAACCGCCT CGCGGTGATG GTGCTGCGCT GGAGTGACGG CAGTTATCTG  
TTTTGGCGGA GCGCCACTAC CACGACGCGA CCTCACTGCC GTCAATAGAC

2051 GAAGATCAGG ATATGTGGCG GATGAGCGGC ATTTTCCGTG ACGTCTCGTT  
CTTCTAGTCC TATACACCGC CTACTCGCCG TAAAAGGCAC TGCAGAGCAA

2101 GCTGCATAAA CCGACTACAC AAATCAGCGA TTTCCATGTT GCCACTCGCT  
CGACGTATTT GGCTGATGTG TTTAGTCGCT AAAGGTACAA CGGTGAGCGA

2151 TTAATGATGA TTTCAGCCGC GCTGTACTGG AGGCTGAAGT TCAGATGTGC  
AATTACTACT AAAGTCGGCG CGACATGACC TCCGACTTCA AGTCTACACG

2201 GGCGAGTTGC GTGACTACCT ACGGGTAACA GTTTCTTTAT GGCAGGGTGA  
CCGCTCAACG CACTGATGGA TGCCCATTGT CAAAGAAATA CCGTCCCACT

2251 AACGCAGGTC GCCAGCGGCA CCGCGCCTTT CGGCGGTGAA ATTATCGATG  
TTGCGTCCAG CGGTCGCCGT GGC GCGGAAA GCCGCCACTT TAATAGCTAC

2301 AGCGTGGTGG TTATGCCGAT CGCGTCACAC TACGTCTGAA CGTCGAAAAC  
TCGCACCACC AATACGGCTA GCGCAGTGTG ATGCAGACTT GCAGCTTTTG

2351 CCGAAACTGT GGAGCGCCGA AATCCCGAAT CTCTATCGTG CGGTGGTTGA  
GGCTTTGACA CCTCGCGGCT TTAGGGCTTA GAGATAGCAC GCCACCAACT

2401 ACTGCACACC GCCGACGGCA CGCTGATTGA AGCAGAAGCC TGCGATGTGC  
TGACGTGTGG CGGCTGCCGT GCGACTAACT TCGTCTTCGG ACGCTACAGC

2451 GTTTCCGCGA GGTGCGGATT GAAAATGGTC TGCTGCTGCT GAACGGCAAG  
CAAAGGCGCT CCACGCCTAA CTTTTACCAG ACGACGACGA CTTGCCGTTC

2501 CCGTTGCTGA TTCGAGGCGT TAACCGTCAC GAGCATCATC CTCTGCATGG  
GGCAACGACT AAGCTCCGCA ATTGGCAGTG CTCGTAGTAG GAGACGTACC

2551 TCAGGTCATG GATGAGCAGA CGATGGTGCA GGATATCCTG CTGATGAAGC  
AGTCCAGTAC CTACTCGTCT GCTACCACGT CCTATAGGAC GACTACTTCG

2601 AGAACAACCT TAACGCCGTG CGCTGTTTCGC ATTATCCGAA CCATCCGCTG  
TCTTGTTGAA ATTGCGGCAC GCGACAAGCG TAATAGGCTT GGTAGGCGAC

2651 TGGTACACGC TGTGCGACCG CTACGGCCTG TATGTGGTGG ATGAAGCCAA  
ACCATGTGCG ACACGCTGGC GATGCCGGAC ATACACCACC TACTTCGGTT

2701 TATTGAAACC CACGGCATGG TGCCAATGAA TCGTCTGACC GATGATCCGC  
ATAACTTTGG GTGCCGTACC ACGGTTACTT AGCAGACTGG CTACTAGGCG

2751 GCTGGCTACC GGCGATGAGC GAACGCGTAA CGCGAATGGT GCAGCGCGAT  
~~CGACCGATGG~~ ~~CGGCTACTCG~~ ~~CTTGCGCATT~~ ~~GCGCTTACCA~~ ~~CGTCGCGCTA~~

2801 CGTAATCACC CGAGTGTGAT CATCTGGTCG CTGGGGAATG AATCAGGCCA  
GCATTAGTGG GCTCACACTA GTAGACCAGC GACCCCTTAC TTAGTCCGGT

FIG. 12D

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



110CAST 7M

18.0

2851 CGGCGCTAAT CACGACGCGC TCGATCGGCT GATCAAATCT GTCGATCCTT  
GCCGCGATTA GTGCTGCGCG ACATAGCGAC CTAGTTTAGA CAGCTAGGAA

2901 CCCGCCCCGT GCAGTATGAA GCGGGCGGAG CCGACACCAC GGCCACCGAT  
GGGCGGGCCA CGTCATACTT CCGCCGCCTC GGCTGTGGTG CCGGTGGCTA

2951 ATTATTTGCC CGATGTACGC GCGCGTGGAT GAAGACCAGC CCTTCCCGGC  
TAATAAACGG GCTACATGCG CCGCGACCTA CTTCTGGTCG GGAAGGGCCG

3001 TGTGCCGAAA TGGTCCATCA AAAAATGGCT TTCGCTACCT GGAGAGACGC  
ACACGGCTTT ACCAGGTAGT TTTTACCAG AAGCGATGGA CCTCTCTGCG

3051 GCCCGCTGAT CCTTTGCGAA TACGCCCACG CGATGGGTAA CAGTCTTGGC  
CGGGCGACTA GGAAACGCTT ATGCGGGTGC GCTACCCATT GTCAGAACCG

3101 GGTTCGCTA AATACTGGCA GCGTTCGT CAGTATCCCC GTTTACAGGG  
CCAAAGCGAT TTATGACCGT CCGCAAAGCA GTCATAGGGG CAAATGTCCC

3151 CGGCTTCGTC TGGGACTGGG TGGATCAGTC GCTGATTAAA TATGATGAAA  
GCCGAAGCAG ACCCTGACCC ACCTAGTCAG CGACTAATTT ATACTACTTT

3201 ACGGCAACCC GTGGTCGGCT TACGGCGGTG ATTTTGCGCA TACGCCGAAC  
TGCCGTTGGG CACCAGCCGA ATGCCGCCAC TAAAACCGCT ATGCGGCTTG

3251 GATCGCCAGT TCTGTATGAA CGGTCTGGTC TTTGCCGACC GCACGCCGCA  
CTAGCGGTCA AGACATACTT GCCAGACCAG AAACGGCTGG CGTGCGGCGT

3301 TCCAGCGCTG ACGGAAGCAA AACACCAGCA GCAGTTTTTC CAGTTCGGTT  
AGGTGCGGAC TGCCTTCGTT TTGTGGTCGT CGTCAAAAAG GTCAAGGCAA

3351 TATCCGGGCA AACCATCGAA GTGACCAGCG AATACCTGTT CCGTCATAGC  
ATAGGCCCGT TTGGTAGCTT CACTGGTCGC TTATGGACAA GGCAGTATCG

3401 GATAACGAGC TCCTGCACTG GATGGTGGCG CTGGATGGTA AGCCGCTGGC  
CTATTGCTCG AGGACGTGAC CTACCACCGC GACCTACCAT TCGGCGACCG

3451 AAGCGGTGAA GTGCCTCTGG ATGTCGCTCC ACAAGGTAAA CAGTTGATTG  
TTCGCCACTT CACGGAGACC TACAGCGAGG TGTTCCATT GTCAACTAAC

3501 AACTGCCTGA ACTACCGCAG CCGGAGAGCG CCGGGCAACT CTGGCTCACA  
TTGACGGACT TGATGGCGTC GGCCTCTCGC GGCCCGTTGA GACCGAGTGT

3551 GTACGCGTAG TGCAACCGAA CGCGACCGCA TGGTCAGAAG CCGGGCACAT  
CATGCGCATC ACGTTGGCTT GCGCTGGCGT ACCAGTCTTC GGCCCGTGTA

3601 CAGCGCCTGG CAGCAGTGGC GTCTGGCGGA AAACCTCAGT GTGACGCTCC  
GTCGCGGACC GTCGTCACCG CAGACCGCCT TTTGGAGTCA CACTGCGAGG

3651 CCGCCGCGTC CCACGCCATC CCGCATCTGA CCACCAGCGA AATGGATTTT  
GGCGGCGCAG GGTGCGGTAG GCGGTAGACT GGTGGTCGCT TTACCTAAAA

3701 TGCATCGAGC TGGGTAATAA GCGTTGGCAA TTTAACCGCC AGTCAGGCTT  
~~ACGTAGCTCG ACCCATATT~~ ~~CGEAAACCGTT~~ ~~AAATTGGCGG~~ ~~TCAGTCCGAA~~

3751 TCTTTCACAG ATGTGGATTG GCGATAAAAA ACAACTGCTG ACGCCGCTGC  
AGAAAGTGTC TACACCTAAC CGCTATTTT TGTTGACGAC TGCGGCGACG

FIG. 12E

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



3801 GCGATCAGTT CACCCGTGTC ~~GATTCCTCTG~~ AACAGAACT CATTTCGAA  
CGCTAGTCAA GTGGGCACAG CTATCTAGAC TTGTCTTTGA GTAAAGGCTT

3851 GAAGACCTAG TCGACCATCA TCATCATCAT CACCGGTAAT AATAGGTAGA  
CTTCTGGATC AGCTGGTAGT AGTAGTAGTA GTGGCCATTA TTATCCATCT

3901 TAAGTGACTG ATTAGATGCA TTTCGACTAG ATCCCTCGAC CAATTCCGGT  
ATTCACTGAC TAATCTACGT AAAGCTGATC TAGGGAGCTG GTTAAGGCCA

3951 TATTTTCCAC CATATTGCCG TCTTTTGGCA ATGTGAGGGC CCGGAAACCT  
ATAAAAGGTG GTATAACGGC AGAAAACCGT TACACTCCCG GGCCTTTGGA

4001 GGCCCTGTCT TCTTGACGAG CATTCCTAGG GGTCTTTCCC CTCTCGCCAA  
CCGGGACAGA AGAACTGCTC GTAAGGATCC CCAGAAAGGG GAGAGCGGTT

4051 AGGAATGCAA GGTCTGTTGA ATGTCGTGAA GGAAGCAGTT CCTCTGGAAG  
TCCTTACGTT CCAGACAACT TACAGCACTT CCTTCGTCAA GGAGACCTTC

4101 CTTCTTGAAG ACAAACAACG TCTGTAGCGA CCCTTTGCAG GCAGCGGAAC  
GAAGAACTTC TGTTTGTTGC AGACATCGCT GGGAAACGTC CGTCGCCTTG

4151 CCCCCACCTG GCGACAGGTG CCTCTGCGGC CAAAAGCCAC GTGTATAAGA  
GGGGGTGGAC CGCTGTCCAC GGAGACGCCG GTTTTCGGTG CACATATTCT

4201 TACACCTGCA AAGGCGGCAC AACCCCACTG CCACGTTGTG AGTTGGATAG  
ATGTGGACGT TTCCGCCGTG TTGGGGTCAC GGTGCAACAC TCAACCTATC

4251 TTGTGGAAAG AGTCAAATGG CTCTCCTCAA GCGTATTCAA CAAGGGGCTG  
AACACCTTTC TCAGTTTACC GAGAGGAGTT CGCATAAGTT GTTCCCCGAC

4301 AAGGATGCCC AGAAGGTACC CCATTGTATG GGATCTGATC TGGGGCCTCG  
TTCCTACGGG TCTTCCATGG GGTAAACATAC CCTAGACTAG ACCCCGGAGC

4351 GTGCACATGC TTTACATGTG TTTAGTCGAG GTTAAAAAAC GTCTAGGCCC  
CACGTGTACG AAATGTACAC AAATCAGCTC CAATTTTTTG CAGATCCGGG

4401 CCCGAACCAC GGGGACGTGG TTTTCCTTTG AAAAACACGA TGATAATACC  
GGGCTTGGTG CCCCTGCACC AAAAGGAAAC TTTTGTGCT ACTATTATGG

4451 ATGAAAAAGC CTGAACTCAC CGCGACGTCT GTCGAGAAGT TTCTGATCGA  
TACTTTTTTCG GACTTGAGTG GCGCTGCAGA CAGCTCTTCA AAGACTAGCT

4501 AAAGTTCGAC AGCGTCTCCG ACCTGATGCA GCTCTCGGAG GGCGAAGAAT  
TTTCAAGCTG TCGCAGAGGC TGGACTACGT CGAGAGCCTC CCGCTTCTTA

4551 CTCGTGCTTT CAGCTTCGAT GTAGGAGGGC GTGGATATGT CCTGCGGGTA  
GAGCACGAAA GTCGAAGCTA CATCCTCCCG CACCTATACA GGACGCCCAT

4601 AATAGCTGCG CCGATGGTTT CTACAAAGAT CGTTATGTTT ATCGGCACTT  
TTATCGACGC GGCTACCAAA GATGTTTCTA GCAATACAAA TAGCCGTGAA

4651 TGCATCGGCC GCGCTCCCGA TTCCGGAAGT GCTTGACATT GGGGAATTTA  
~~ACGTAGCEGG CGCGAGGGCT AAGGCCTTCA CGAACTGTAA CCCCTTAAAT~~

4701 GCGAGAGCCT GACCTATTGC ATCTCCCGCC GTGCACAGGG TGTACGTTG  
CGCTCTCGGA CTGGATAACG TAGAGGGCGG CACGTGTCCC ACAGTGCAAC

FIG. 12F

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



4751 CAAGACCTGC CTGAAACCGG ~~TTATCTCCGCT~~ GTTCTGCAGC CGGTTCGCGGA  
GTTCTGGACG GACTTTGGCT TGACGGGCGA CAAGACGTCG GCCAGCGCCT

4801 GGCCATGGAT GCGATCGCTG CGGCCGATCT TAGCCAGACG AGCGGGTTTCG  
CCGGTACCTA CGCTAGCGAC GCCGGCTAGA ATCGGTCTGC TCGCCCAAGC

4851 GCCCATTCGG ACCGCAAGGA ATCGGTCAAT AACTACATG GCGTGATTTTC  
CGGGTAAGCC TGCGTTCCCT TAGCCAGTTA TGTGATGTAC CGCACTAAAG

4901 ATATGCGCGA TTGCTGATCC CCATGTGTAT CACTGGCAAA CTGTGATGGA  
TATACGCGCT AACGACTAGG GGTACACATA GTGACCGTTT GACACTACCT

4951 CGACACCGTC AGTGCCTCCG TCGCGCAGGC TCTCGATGAG CTGATGCTTT  
GCTGTGGCAG TCACGCAGGC AGCGCGTCCG AGAGCTACTC GACTACGAAA

5001 GGGCCGAGGA CTGCCCCGAA GTCCGGCACC TCGTGCACGC GGATTTCCGGC  
CCCGGCTCCT GACGGGGCTT CAGGCCGTGG AGCACGTGCG CCTAAAGCCG

5051 TCCAACAATG TCCTGACGGA CAATGGCCGC ATAACAGCGG TCATTGACTG  
AGGTTGTTAC AGGACTGCCT GTTACCGGCG TATTGTCGCC AGTAACTGAC

5101 GAGCGAGGCG ATGTTCTGGG ATTCCCAATA CGAGGTCGCC AACATCTTCT  
CTCGCTCCGC TACAAGCCCC TAAGGGTTAT GCTCCAGCGG TTGTAGAAGA

5151 TCTGGAGGCC GTGGTTGGCT TGTATGGAGC AGCAGACGCG CTAATTCTGAG  
AGACCTCCGG CACCAACCGA ACATACCTCG TCGTCTGCGC GATGAAGCTC

5201 CGGAGGCATC CGGAGCTTGC AGGATCGCCG CGGCTCCGGG CGTATATGCT  
GCCTCCGTAG GCCTCGAACG TCCTAGCGGC GCCGAGGCC GCATATACGA

5251 CCGCATTGGT CTTGACCAAC TCTATCAGAG CTTGGTTGAC GGCAATTTTCG  
GGCGTAACCA GAACTGGTTG AGATAGTCTC GAACCAACTG CCGTTAAAGC

5301 ATGATGCAGC TTGGGCGCAG GGTGCATGCG ACGCAATCGT CCGATCCGGA  
TACTACGTCG AACCCGCGTC CCAGCTACGC TGCGTTAGCA GGCTAGGCCT

5351 GCCGGGACTG TCGGGCGTAC ACAAATCGCC CGCAGAAGCG CGGCCGTCTG  
CGGCCCTGAC AGCCCGCATG TGTTTAGCGG GCGTCTTCGC GCCGGCAGAC

5401 GACCGATGGC TGTGTAGAAG TACTCGCCGA TAGTGGAAC CGACGCCCCA  
CTGGCTACCG ACACATCTTC ATGAGCGGCT ATCACCTTTG GCTGCGGGGT

5451 GCACTCGTCC GAGGGCAAAG GAATAGAGTA GATGCCGACC GGGATCTATC  
CGTGAGCAGG CTCCCGTTTC CTTATCTCAT CTACGGCTGG CCTAGATAG

5501 GATAAAATAA AAGATTTTAT TTAGTCTCCA GAAAAAGGGG GGAATGAAAG  
CTATTTTATT TTCTAAATA AATCAGAGGT CTTTTTCCCC CCTTACTTTC

5551 ACCCCACCTG TAGGTTTGGC AAGCTAGCTT AAGTAACGCC ATTTTGCAAG  
TGGGGTGGAC ATCCAAACCG TTCGATCGAA TTCATTGCGG TAAAACGTTC

5601 GCATGGAAAA ATACATAACT GAGAATAGAG AAGTTCAGAT CAAGGTCAGG  
~~CGTACCTTTT TATGTATTGA CTCTTATCTC TTCAAGTCTA GTTCCAGTCC~~

5651 AACAGATGGA ACAGCTGAAT ATGGGCCAAA CAGGATATCT GTGGTAAGCA  
TTGTCTACCT TGTCGACTTA TACCGGTTT GTCCTATAGA CACCATTCGT

RECEIVED

FIG. 12C

JUL 25 2002

TECH CEN 1600/2900



5701 GTTCCTGCCC CGGCTCAGGG ~~CGAAGGACAG~~ ATGGAACAGC TGAATATGGG  
CAAGGACGGG GCCGAGTCCC GGTTCCTTGTC TACCTTGTCG ACTTATACCC

5751 CCAAACAGGA TATCTGTGGT AAGCAGTTCC TGCCCCGGCT CAGGGCCAAG  
GGTTTGTCTT ATAGACACCA TTCGTCAAGG ACGGGGCCGA GTCCCGGTTC

5801 AACAGATGGT CCCCAGATGC GGTCCAGCCC TCAGCAGTTT CTAGAGAACC  
TTGTCTACCA GGGGTCTACG CCAGGTCGGG AGTCGTCAAA GATCTCTTGG

5851 ATCAGATGTT TCCAGGGTGC CCCAAGGACC TGAAATGACC CTGTGCCTTA  
TAGTCTACAA AGGTCCCACG GGGTTCCTGG ACTTTACTGG GACACGGAAT

5901 TTTGAACTAA CCAATCAGTT CGCTTCTCGC TTCTGTTTCG CCGCTTCTGC  
AAACTTGATT GGTTAGTCAA GCGAAGAGCG AAGACAAGCG CGCGAAGACG

5951 TCCCCGAGCT CAATAAAAGA GCCACAACC CCTCACTCGG GCGCCAGTC  
AGGGGCTCGA GTTATTTTCT CGGGTGTTGG GGAGTGAGCC CCGCGGTCAG

6001 CTCCGATTGA CTGAGTCGCC CGGGTACCCG TGTATCCAAT AAACCCTCTT  
GAGGCTAACT GACTCAGCGG GCCCATGGGC ACATAGGTTA TTTGGGAGAA

6051 GCAGTTGCAT CCGACTTGTT GTCTCGTGT TCCTTGGGAG GGTCTCTCTT  
CGTCAACGTA GGCTGAACAC CAGAGCGACA AGGAACCCTC CCAGAGGAGA

6101 GAGTGATTGA CTACCCGTCA GCGGGGGTCT TTCATTTCATG CAGCATGTAT  
CTCACTAACT GATGGGCAGT CGCCCCAGA AAGTAAGTAC GTCGTACATA

6151 CAAAATTAAT TTGGTTTTTT TTCTTAAGTA TTTACATTAA ATGGCCATAG  
GTTTTAATTA AACCAAAAAA AAGAATTCAT AAATGTAATT TACCGGTATC

6201 TTGCATTAAT GAATCGGCCA ACGCGCGGGG AGAGGCGGTT TCGGTATTGG  
AACGTAATTA CTTAGCCGGT TCGCGGCCCC TCTCCGCCAA ACGCATAACC

6251 CGCTCTTCCG CTTCTCTCGT CACTGACTCG CTGCGCTCGG TCGTTCGGCT  
GCGAGAAGGC GAAGGAGCGA GTGACTGAGC GACGCGAGCC AGCAAGCCGA

6301 GCGGCGAGCG GTATCAGCTC ACTCAAAGGC GGTAATACGG TTATCCACAG  
CGCCGCTCGC CATAGTCGAG TGAGTTTCCG CCATTATGCC AATAGGTGTC

6351 AATCAGGGGA TAACGCAGGA AAGAACATGT GAGCAAAAGG CCAGCAAAAG  
TTAGTCCCCT ATTGCGTCCT TTCTTGTAACA CTCGTTTTCC GGTCTGTTTC

6401 GCCAGGAACC GTAAAAAGGC CGCGTTGCTG GCGTTTTTCC ATAGGCTCCG  
CGGTCTTGG CATTMTTCCG GCGCAACGAC CGCAAAAAGG TATCCGAGGC

6451 CCCCCCTGAC GAGCATCACA AAAATCGACG CTCAAGTCAG AGGTGGCGAA  
GGGGGACTG CTCGTAGTGT TTTTAGCTGC GAGTTCAGTC TCCACCGCTT

6501 ACCCGACAGG ACTATAAAGA TACCAGGCGT TTCCCCCTGG AAGCTCCCTC  
TGGGCTGTCC TGATATTCT ATGGTCCGCA AAGGGGGACC TTCGAGGGAG

6551 GTGCGCTCTC CTGTTCCGAC CCTGCCGCTT ACCGGATACC TGTCCGCCTT  
~~CACGCGAGAG GACAAGGCTG GGACGGCGAA TGGCCTATGG ACAGGCGGAA~~

6601 TCTCCCTTCG GGAAGCGTGG CGCTTTCTCA TAGCTCACGC TGTAGGTATC  
AGAGGGAAGC CCTTCGCACC GCGAAAGAGT ATCGAGTGCG ACATCCATAG

RECEIVED

FIG. 12H

JUL 25 2002

TECH CENTER 1600/2900



6651 TCAGTTCGGT GTAGGCTTCCCAAGC TGGGCTGTGT GCACGAACCC  
AGTCAAGCCA CATCCAGCAA GCGAGGTTTCG ACCCGACACA CGTGCTTGGG

6701 CCCGTTTCAGC CCGACCGCTG CGCCTTATCC GGTAACATC GTCTTGAGTC  
GGGCAAGTCG GGCTGGCGAC GCGGAATAGG CCATTGATAG CAGAACTCAG

6751 CAACCCGGTA AGACACGACT TATCGCCACT GGCAGCAGCC ACTGGTAACA  
GTTGGGCCAT TCTGTGCTGA ATAGCGGTGA CCGTCGTCGG TGACCATTGT

6801 GGATTAGCAG AGCGAGGTAT GTAGGCGGTG CTACAGAGTT CTTGAAGTGG  
CCTAATCGTC TCGCTCCATA CATCCGCCAC GATGTCTCAA GAACTTCACC

6851 TGGCCTAACT ACGGCTACAC TAGAAGAACA GTATTTGGTA TCTGCGCTCT  
ACCGGATTGA TGCCGATGTG ATCTTCTTGT CATAAACCAT AGACGCGAGA

6901 GCTGAAGCCA GTTACCTTCG GAAAAAGAGT TGGTAGCTCT TGATCCGGCA  
CGACTTCGGT CAATGGAAGC CTTTTTCTCA ACCATCGAGA ACTAGGCCGT

6951 AACAAACCAC CGCTGGTAGC GGTGGTTTTT TTGTTTGCAA GCAGCAGATT  
TTGTTTGGTG GCGACCATCG CCACCAAAAA AACAAACGTT CGTCGTCTAA

7001 ACGCGCAGAA AAAAAGGATC TCAAGAAGAT CCTTTGATCT TTTCTACGGG  
TGCGCGTCTT TTTTCTCTAG AGTTCTTCTA GGAACTAGA AAAGATGCCC

7051 GTCTGACGCT CAGTGGAACG AAAACTCAGC TTAAGGGATT TTGGTCATGA  
CAGACTGCGA GTCACCTTGC TTTTGAGTGC AATTCCCTAA AACCAGTACT

7101 GATTATCAAA AAGGATCTTC ACCTAGATCC TTTTAAATTA AAAATGAAGT  
CTAATAGTTT TTCCTAGAAG TGGATCTAGG AAAATTTAAT TTTTACTTCA

7151 TTGCGGCCGC AAATCAATCT AAAGTATATA TGAGTAACT TGGTCTGACA  
AACGCCGGCG TTTAGTTAGA TTTTCATATAT ACTCATTTGA ACCAGACTGT

7201 GTTACCAATG CTTAATCAGT GAGGCACCTA TCTCAGCGAT CTGTCTATTT  
CAATGGTTAC GAATTAGTCA CTCCGTGGAT AGAGTCGCTA GACAGATAAA

7251 CGTTCATCCA TAGTTGCCTG ACTCCCGTTC GTGTAGATAA CTACGATACG  
GCAAGTAGGT ATCAACGGAC TGAGGGGCAG CACATCTATT GATGCTATGC

7301 GGAGGGCTTA CCATCTGGCC CCAGTGCTGC AATGATACCG CGAGACCCAC  
CCTCCCGAAT GGTAGACCGG GGTCACGACG TTACTATGGC GCTCTGGGTG

7351 GCTCACCGGC TCCAGATTTA TCAGCAATAA ACCAGCCAGC CGGAAGGGCC  
CGAGTGCCCG AGGTCTAAAT AGTCGTTATT TGGTCGGTCG GCCTTCCCGG

7401 GAGCGCAGAA GTGGTCTGC AACTTTATCC GCCTCCATCC AGTCTATTAA  
CTCGCGTCTT CACCAGGACG TTGAAATAGG CGGAGGTAGG TCAGATAATT

7451 TTGTTGCCGG GAAGCTAGAG TAAGTAGTTC GCCAGTTAAT AGTTTGCGCA  
AACAACGGCC CTTGATCTC ATTCATCAAG CGGTCAATTA TCAAACGCGT

7501 ACGTTGTTGC CATTGCTACA GGCATCGTGG TGTCACGCTC GTCGTTTGGT  
~~TGCAACAAGG~~ ~~GTAACGATGT~~ ~~CCGTAGCACC~~ ~~ACAGTGCGAG~~ ~~CAGCAAACCA~~

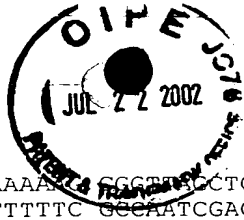
7551 ATGGCTTCAT TCAGCTCCGG TTCCCAACGA TCAAGGCGAG TTACATGATC  
TACCGAAGTA AGTCGAGGCC AAGGGTTGCT AGTTCCGCTC AATGTACTAG

RECEIVED

FIG. 12I

JUL 25 2002

TECH CENTER 1600/2900



7601 CCCCATGTTG TGCAAAAAA CCGTATCTC CTTCCGGTCCT CCGATCGTTG  
GGGGTACAAC ACGTTTTTTC GCAATCGAG GAAGCCAGGA GGCTAGCAAC

7651 TCAGAAGTAA GTTGCCGCA GTGTTATCAC TCATGGTTAT GGCAGCACTG  
AGTCTTCATT CAACCGGCGT CACAATAGTG AGTACCAATA CCGTCGTGAC

7701 CATAATTCTC TTA CTGTCAT GCCATCCGTA AGATGCTTTT CTGTGACTGG  
GTATTAAGAG AATGACAGTA CGGTAGGCAT TCTACGAAAA GACACTGACC

7751 TGAGTACTCA ACCAAGTCAT TCTGAGAATA GTGTATGCGG CGACCGAGTT  
ACTCATGAGT TGGTTCAGTA AGACTCTTAT CACATACGCC GCTGGCTCAA

7801 GCTCTTGCCC GCGGTCAATA CGGGATAATA CCGCGCCACA TAGCAGAACT  
CGAGAACGGG CCGCAGTTAT GCCCTATTAT GCGCGGGTGT ATCGTCTTGA

7851 TTAAGTGC TCATCATTGG AAAACGTTCT TCGGGGCGAA AACTCTCAAG  
AATTTTCACG AGTAGTAACC TTTTGCAAGA AGCCCCGCTT TTGAGAGTTC

7901 GATCTTACCG CTGTTGAGAT CCAGTTCGAT GTAACCCACT CGTGCACCCA  
CTAGAATGGC GACAACTCTA GGTCAAGCTA CATTGGGTGA GCACGTGGGT

7951 ACTGATCTTC AGCATCTTTT ACTTTCACCA GCGTTTCTGG GTGAGCAAAA  
TGACTAGAAG TCGTAGAAAA TGAAAGTGGT CGCAAAGACC CACTCGTTTT

8001 ACAGGAAGGC AAAATGCCGC AAAAAAGGGA ATAAGGGCGA CACGGAAATG  
TGTCTTCCG TTTTACGGCG TTTTTCCT TATTCCCGCT GTGCCTTTAC

8051 TTGAATACTC ATACTCTTCC TTTTCAATA TTATTGAAGC ATTTATCAGG  
AACTTATGAG TATGAGAAGG AAAAGTTAT AATAACTTCG TAAATAGTCC

8101 GTTATTGTCT CATGAGCGGA TACATATTTG AATGTATTTA GAAAAATAAA  
CAATAACAGA GTACTCGCCT ATGTATAAAC TTACATAAAT CTTTTTATTT

8151 CAAATAGGGG TTCCGCGCAC ATTTT  
GTTTATCCCC AAGGCGCGTG TAAAG

FIG. 12J

RECEIVED

JUL 25 2002

TECH CENTER 1600/2300



951 TCCCTTAAGT TTGACCTT TGAACCTGAA AGATGTCGAG CGGCTCGCTC  
AGGGAATTCA AACTGGAATC CATTACCTT TCTACAGCTC GCCGAGCGAG

1001 ACAACCAGTC GGTAGATGTC AAGAAGAGAC GTTGGGTTAC CTTCTGCTCT  
TGTTGGTCAG CCATCTACAG TTCTTCTCTG CAACCCAATG GAAGACGAGA

1051 GCAGAATGGC CAACCTTTAA CGTCGGATGG CCGCGAGACG GCACCTTTAA  
CGTCTTACCG GTTGGAAATT GCAGCCTACC GGCCTCTGTC CGTGGAATT

1101 CCGAGACCTC ATCACCAGG TTAAGATCAA GGTCTTTTCA CCTGGCCCGC  
GGCTCTGGAG TAGTGGGTCC AATTCTAGTT CCAGAAAAGT GGACCGGGCG

1151 ATGGACACCC AGACCAGGTC CCCTACATCG TGACCTGGA AGCCTTGGCT  
TACCTGTGGG TCTGGTCCAG GGGATGTAGC ACTGGACCCT TCGGAACCGA

1201 TTTGACCCCC CTCCCTGGGT CAAGCCCTTT GTACACCCTA AGCCTCCGCC  
AAACTGGGGG GAGGGACCCA GTTCGGGAAA CATGTGGGAT TCGGAGGCGG

1251 TCCTCTTCCT CCATCCGCC CGTCTCTCCC CCTTGAACCT CCTCGTTCGA  
AGGAGAAGGA GGTAGGCGGG GCAGAGAGGG GGAACCTGGA GGAGCAAGCT

1301 CCCCCTCTCG ATCCTCCCTT TATCCAGCCC TCACTCCTTC TCTAGGCGCC  
GGGGCGGAGC TAGGAGGGAA ATAGGTCGGG AGTGAGGAAG AGATCCGCGG

1351 GGCCGCTCTA GCCCATTAAT ACGACTCACT ATAGGGCGAT TCGAACACCA  
CCGGCGAGAT CGGGTAATTA TGCTGAGTGA TATCCCGCTA AGCTTGTGGT

1401 TGCACCATCA TCATCATCAC GTCGACGAAC AGAAACTCAT TTCCGAAGAA  
ACGTGGTAGT AGTAGTAGTG CAGCTGCTTG TCTTTGAGTA AAGGCTTCTT

1451 GACCTACTCG AGATGGGCGT GATTACGGAT TCACTGGCCG TCGTTTTACA  
CTGGATGAGC TCTACCCGCA CTAATGCCTA AGTGACCGGC AGCAAAATGT

1501 ACGTCGTGAC TGGGAAAACC CTGGCGTTAC CCAACTTAAT CGCCTTGCAG  
TGCAGCACTG ACCCTTTTGG GACCGCAATG GGTGGAATTA GCGGAACGTC

1551 CACATCCCCC TTTCCGCCAGC TGGCGTAATA GCGAAGAGGC CCGCACCGAT  
GTGTAGGGGG AAAGCGGTCTG ACCGCATTAT CGCTTCTCCG GGCCTGGCTA

1601 CGCCCTTCCC AACAGTTACG CAGCCTGAAT GGCGAATGGC GCTTTGCCTG  
GCGGAAGGG TTGTCAATGC GTCGGACTTA CCGCTTACCG CGAAACGGAC

1651 GTTTCCGGCA CCAGAAGCGG TGCCGGAAG CTGGCTGGAG TGCGATCTTC  
CAAAGGCCGT GGTCTTCGCC ACGGCCTTTC GACCGACCTC ACGCTAGAAG

1701 CTGAGGCCGA TACTGTCGTC GTCCCTCAA ACTGGCAGAT GCACGGTTAC  
GACTCCGGCT ATGACAGCAG CAGGGGAGTT TGACCGTCTA CGTGCCAATG

1751 GATGCGCCCA TCTACACCAA CGTGACCTAT CCCATTACGG TCAATCCGCC  
CTACGCGGGT AGATGTGGTT GCACTGGATA GGGTAATGCC AGTTAGGCGG

1801 GTTTGTTCCC ACGGAGAATC CGACGGGTTG TTAICTGCTC ACATTTAATG  
CAAACAAGGG TGCCTCTTAG GTCGCCAAC AATGAGCGAG TGTAATTAC

1851 TTGATGAAAG CTGGCTACAG GAAGGCCAGA CGCGAATTAT TTTGATGGC  
AACTACTTTC GACCGATGTC CTTCCGGTCT GCGCTTAATA AAACTACCG

RECEIVED

FIG. 13C

JUL 25 2002

TECH CENTER 1600/2900





1901 GTTAACTCGG CGTTTCATCT GTGGTGCAAC GGGCGCTGGG TCGGTTACGG  
CAATTGAGCC GCAAAGTAGA CACCACGTTG CCCGCGACCC AGCCAATGCC

1951 CCAGGACAGT CGTTTGCCGT CTGAATTTGA CCTGAGCGCA TTTTACGCG  
GGTCCTGTCA GCAAACGGCA GACTTAACT GGACTCGCGT AAAAATGCGC

2001 CCGGAGAAAA CCGCCTCGCG GTGATGGTGC TGCCTGGAG TGACGGCAGT  
GGCCTCTTTT GGCAGGAGCG CACTACCACG ACGCGACCTC ACTGCCGTCA

2051 TATCTGGAAG ATCAGGATAT GTGGCGGATG AGCGGCATTT TCCGTGACGT  
ATAGACCTTC TAGTCCTATA CACCGCCTAC TCGCCGTAAA AGGCACTGCA

2101 CTCGTTGCTG CATAAACCGA CTACACAAAT CAGCGATTTT CATGTTGCCA  
GAGCAACGAC GTATTTGGCT GATGTGTTTA GTCGCTAAAG GTACAACGGT

2151 CTCGCTTTAA TGATGATTTT AGCCGCGCTG TACTGGAGGC TGAAGTTCAG  
GAGCGAAATT ACTACTAAAG TCGGCGCGAC ATGACCTCCG ACTTCAAGTC

2201 ATGTGCGGCG AGTTGCGTGA CTACCTACGG GTAACAGTTT CTTTATGGCA  
TACACGCCGC TCAACGCACT GATGGATGCC CATTGTCAA GAAATACCGT

2251 GGGTGAAACG CAGGTCGCCA GCGGCACCGC GCCTTTCGGC GGTGAAATTA  
CCCACTTTGC GTCCAGCGGT CGCCGTGGCG CGGAAAGCCG CCACTTTAAT

2301 TCGATGAGCG TGGTGTTTAT GCCGATCGCG TCACACTACG TCTGAACGTC  
AGCTACTCGC ACCACCAATA CGGCTAGCGC AGTGTGATGC AGACTTGCAG

2351 GAAAACCCGA AACTGTGGAG CGCCGAAATC CCGAATCTCT ATCGTGCGGT  
CTTTTGGGCT TTGACACCTC GCGGCTTTAG GGCTTAGAGA TAGCACGCCA

2401 GGTGAACTG CACACCGCCG ACGGCACGCT GATTGAAGCA GAAGCCTGCG  
CCAACCTGAC GTGTGGCGGC TGCCGTGCGA CTAACCTCGT CTTCCGACGC

2451 ATGTCGGTTT CCGCGAGGTG CGGATTGAAA ATGGTCTGCT GCTGCTGAAC  
TACAGCCAAA GGCCTCCAC GCCTAACTTT TACCAGACGA CGACGACTTG

2501 GGCAAGCCGT TGCTGATTCG AGGCGTTAAC CGTCACGAGC ATCATCCTCT  
CCGTTCCGCA ACGACTAAGC TCCGCAATTG GCAGTGCTCG TAGTAGGAGA

2551 GCATGGTCAG GTCATGGATG AGCAGACGAT GGTGCAGGAT ATCCTGCTGA  
CGTACCAGTC CAGTACCTAC TCGTCTGCTA CCACGTCCTA TAGGACGACT

2601 TGAAGCAGAA CAACTTTAAC GCCGTGCGCT GTTCGCATTA TCCGAACCAT  
ACTTCGTCTT GTTGAAATTG CGGCACGCGA CAAGCGTAAT AGGCTTGGA

2651 CCGCTGTGGT ACACGCTGTG CGACCGCTAC GGCCTGTATG TGGTGGATGA  
GGCGACACCA TGTGCGACAC GCTGGCGATG CCGGACATAC ACCACCTACT

2701 AGCCAATATT GAAACCCACG GCATGGTGCC AATGAATCGT CTGACCGATG  
TCGGTTATAA CTTTGGGTGC CGTACCACGG TTAAGTAGCA GACTGGCTAC

2751 ATCCGCGCTG GCTACCGGCG ATGAGCGAAC GCGTAACGCG AATGGTGCG  
TAGGCGCGAC CGATGGCCGC TACTCGCTTG CGCATTGCGC TTACCACGTC

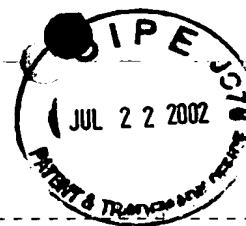
2801 CGCGATCGTA ATCACCCGAG TGTGATCATC TGGTCGCTGG GGAATGAATC  
GCGCTAGCAT TAGTGGGCTC ACACAGTAG ACCAGCGACC CCTTACTTAG

RECEIVED

FIG. 13 D

JUL 25 2002

4 CENTER 1600/2900



2851 AGGCCACGGC GCTAATCACG ACGCGCTGTA TCGCTGGATC AAATCTGTCTG  
TCCGGTGCCG CGATTAGTGC TGC GCGACAT AGCGACCTAG TTTAGACAGC

2901 ATCCTTCCCG CCCGGTGCGAG TATGAAGGCG GCGGAGCCGA CACCACGGCC  
TAGGAAGGGC GGGCCACGTC ATACTTCCGC CGCCTCGGCT GTGGTGCCGG

2951 ACCGATATTA TTTGCCCCGAT GTACGCGCGC GTGGATGAAG ACCAGCCCTT  
TGGCTATAAT AAACGGGGCTA CATGCGCGCG CACCTACTTC TGGTCGGGAA

3001 CCCGGCTGTG CCGAAATGGT CCATCAAAAA ATGGCTTTTCG CTACCTGGAG  
GGGCCGACAC GGCTTTACCA GGTAGTTTTT TACCGAAAGC GATGGACCTC

3051 AGACGCGCCC GCTGATCCTT TGC GAATACG CCCACGCGAT GGGTAACAGT  
TCTGCGCGGG CGACTAGGAA ACGCTTATGC GGGTGCGCTA CCCATTGTCA

3101 CTTGGCGGTT TCGCTAAATA CTGGCAGGCG TTTCGTCACT ATCCCCGTTT  
GAACCGCCAA AGCGATTTAT GACCGTCCGC AAAGCAGTCA TAGGGGCAAA

3151 ACAGGGCGGC TTCGTCTGGG ACTGGGTGGA TCAGTCGCTG ATTAAATATG  
TGTCCCGCCG AAGCAGACCC TGACCCACCT AGTCAGCGAC TAATTTATAC

3201 ATGAAAACGG CAACCCGTGG TCGGCTTACG GCGGTGATTT TGGCGATACG  
TACTTTTGCC GTTGGGCACC AGCCGAATGC CGCCACTAAA ACCGCTATGC

3251 CCGAACGATC GCCAGTTCTG TATGAACGGT CTGGTCTTTG CCGACCGCAC  
GGCTTGCTAG CGGTCAAGAC ATACTTGCCA GACCAGAAAC GGCTGGCGTG

3301 GCCGCATCCA GCGCTGACGG AAGCAAAACA CCAGCAGCAG TTTTCCAGT  
CGGCGTAGGT CGCGACTGCC TTCGTTTTGT GGTCGTCGTC AAAAAGGTCA

3351 TCCGTTTATC CGGGCAAACC ATCGAAGTGA CCAGCGAATA CCTGTTCCGT  
AGGCAAATAG GCGCGTTTG TAGCTTCACT GGTCGCTTAT GGACAAGGCA

3401 CATAGCGATA ACGAGCTCCT GCACTGGATG GTGGCGCTGG ATGGTAAGCC  
GTATCGCTAT TGCTCGAGGA CGTGACCTAC CACCGCGACC TACCATTCCG

3451 GCTGGCAAGC GGTGAAGTGC CTCTGGATGT CGCTCCACAA GGTAACAGT  
CGACCGTTCG CCACTTCACG GAGACCTACA GCGAGGTGTT CCATTTGTCA

3501 TGATTGAACT GCCTGAACTA CCGCAGCCGG AGAGCGCCGG GCAACTCTGG  
ACTAACTTGA CGGACTTGAT GCGCTCGGCC TCTCGCGGCC CGTTGAGACC

3551 CTCACAGTAC GCGTAGTGCA ACCGAACGCG ACCGCATGGT CAGAAGCCGG  
GAGTGTCATG CGCATCACGT TGGCTTGCGC TGGCGTACCA GTCTTCGGCC

3601 GCACATCAGC GCCTGGCAGC AGTGGCGTCT GCGGGAAC CTCAGTGTGA  
CGTGTAGTCG CGGACCGTCG TCACCGCAGA CCGCCTTTTG GAGTCACACT

3651 CGCTCCCCGC CGCGTCCAC GCCATCCCGC ATCTGACCAC CAGCGAAATG  
GCGAGGGGCG GCGCAGGGTG CGGTAGGGCG TAGACTGGTG GTCGCTTTAC

3701 GATTTTTGCA TCGAGCTGGG TAATAAGCGT TGGCAATTTA ACCGCCAGTC  
~~CTAAAAACGT AGCTEGAGCG ATATTGCGA ACCGTTAAAT TGGCGGTCAG~~

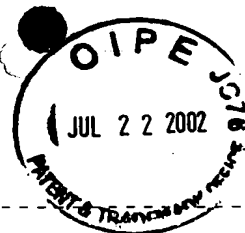
3751 AGGCTTTCTT TCACAGATGT GGATTGGCGA TAAAAAACAA CTGCTGACGC  
TCCGAAAGAA AGTGTCTACA CCTAACCGCT ATTTTTGTGTT GACGACTGCG

RECEIVED

FIG. 13E

JUL 25 2002

TECH CENTER 1600/2900



3801 CGCTGCGCGA TCAGTTCACC CGTGTGCGATA GATCTGGAGG TGGTGGCAGC  
GCGACGCGCT AGTCAAGTGG GCACAGCTAT CTAGACCTCC ACCACCGTCG

3851 AGGCCCTTGGC GCGCCGGATC CTTAATTAAC AATTGACCGG TAATAATAGG  
TCCGGAACCG CGCGGCCTAG GAATTAATTG TTAAGTGGCC ATTATTATCC

3901 TAGATAAGTG ACTGATTAGA TGCATTTTCGA CTAGATCCCT CGACCAATTC  
ATCTATTACAC TGAATAATCT ACGTAAAGCT GATCTAGGGA GCTGGTTAAG

3951 CGGTTATTTT CCACCATATT GCCGTCTTTT GGCAATGTGA GGGCCCGGAA  
GCCAATAAAA GGTGGTATAA CGGCAGAAAA CCGTTACACT CCCGGGCCTT

4001 ACCTGGCCCT GTCTTCTTGA CGAGCATTCC TAGGGGTCTT TCCCCTCTCG  
TGGACCGGGA CAGAAGAACT GCTCGTAAGG ATCCCCAGAA AGGGGAGAGC

4051 CCAAAGGAAT GCAAGGTCTG TTGAATGTCG TGAAGGAAGC AGTTCCTCTG  
GGTTTCCTTA CGTTCCAGAC AACTTACAGC ACTTCCTTCG TCAAGGAGAC

4101 GAAGCTTCTT GAAGACAAAC AACGTCTGTA GCGACCCTTT GCAGGCAGCG  
CTTCGAAGAA CTTCTGTTTG TTGCAGACAT CGCTGGGAAA CGTCCGTCTCG

4151 GAACCCCCCA CCTGGCGACA GGTGCCTCTG CGGCCAAAAG CCACGTGTAT  
CTTGGGGGGT GGACCGCTGT CCACGGAGAC GCCGGTTTTT GGTGCACATA

4201 AAGATACACC TGCAAAGGCG GCACAACCCC AGTGCCACGT TGTGAGTTGG  
TTCTATGTGG ACGTTTCCGC CGTGTGGGG TCACGGTGCA AACTCAACC

4251 ATAGTTGTGG AAAGAGTCAA ATGGCTCTCC TCAAGCGTAT TCAACAAGGG  
TATCAACACC TTTCTCAGTT TACCGAGAGG AGTTCGCATA AGTTGTTCCC

4301 GCTGAAGGAT GCCCAGAAGG TACCCCATTTG TATGGGATCT GATCTGGGGC  
CGACTTCCTA CGGGTCTTCC ATGGGGTAAC ATACCCTAGA CTAGACCCCG

4351 CTCGGTGCAC ATGCTTTTACA TGTGTTTAGT CGAGGTTAAA AAACGTCTAG  
GAGCCACGTG TACGAAATGT ACACAAATCA GCTCCAATTT TTTGCAGATC

4401 GCCCCCCGAA CCACGGGGAC GTGGTTTTCC TTTGAAAAAC ACGATGATAA  
CGGGGGGCTT GGTGCCCTG CACCAAAGG AAACTTTTTG TGCTACTATT

4451 TACCATGAAA AAGCCTGAAC TCACCGCGAC GTCTGTCGAG AAGTTTCTGA  
ATGGTACTTT TTCGGACTTG AGTGGCGCTG CAGACAGCTC TTCAAAGACT

4501 TCGAAAAGTT CGACAGCGTC TCCGACCTGA TGCAGCTCTC GGAGGGCGAA  
AGCTTTTCAA GCTGTGCGAG AGGCTGGACT ACGTCGAGAG CCTCCCGCTT

4551 GAATCTCGTG CTTTCAGCTT CGATGTAGGA GGGCGTGGAT ATGTCCTGCG  
CTTAGAGCAC GAAAGTCGAA GCTACATCCT CCCGCACCTA TACAGGACGC

4601 GGTAATAGC TGCGCCGATG GTTTCTACAA AGATCGTTAT GTTTATCGGC  
CCATTTATCG ACGCGGCTAC CAAAGATGTT TCTAGCAATA CAAATAGCCG

4651 ACTTTGCATC GGCCGCGCTC CCGATTCCGG AAGTGCTTGA CATTGGGGAA  
TGAAACGTAG CCGGCGCGAG GGCTAAGGCC TTCACGAAC GTAACCCCTT

4701 TTAGCGAGA GCCTGACCTA TTGCATCTCC CGCCGTGCAC AGGGTGTAC  
AAATCGCTCT CGGACTGGAT AACGTAGAGG GCGGCACGTG TCCCACAGT

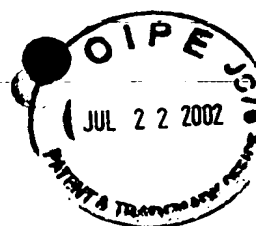
FIG. 13F

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900

TECH CENTER 1600/2900



5701 AGCAGTTCCT GCCCGGCTC AGGGCCAAGA ACAGATGGAA CAGCTGAATA  
TCGTCAAGGA CGGGGCCGAG TCCCGGTTCT TGTCTACCTT GTCGACTTAT

5751 TGGGCCAAAC AGGATATCTG TGGTAAGCAG TTCCTGCCCC GGCTCAGGGC  
ACCCGGTTTG TCCTATAGAC ACCATTCGTC AAGGACGGGG CCGAGTCCCC

5801 CAAGAACAGA TGGTCCCCAG ATGCGGTCCA GCCCTCAGCA GTTCTAGAG  
GTTCTTGTCT ACCAGGGGTC TACGCCAGGT CGGGAGTCGT CAAAGATCTC

5851 AACCATCAGA TGTTTCCAGG GTGCCCAAG GACCTGAAAT GACCCTGTGC  
TTGGTAGTCT ACAAAGGTCC CACGGGGTTC CTGGACTTTA CTGGGACACG

5901 CTTATTTGAA CTAACCAATC AGTTCGCTTC TCGCTTCTGT TCGCGCGCTT  
GAATAAACTT GATTGGTTAG TCAAGCGAAG AGCGAAGACA AGCGCGCGAA

5951 CTGCTCCCCG AGCTCAATAA AAGAGCCAC AACCCCTCAC TCGGGCGGCC  
GACGAGGGGC TCGAGTTATT TTCTCGGGTG TTGGGGAGTG AGCCCCGCGG

6001 AGTCCTCCGA TTGACTGAGT CGCCCGGGTA CCCGTGTATC CAATAAACCC  
TCAGGAGGCT AACTGACTCA GCGGGCCCAT GGGCACATAG GTTATTTGGG

6051 TCTTGCACTT GCATCCGACT TGTGGTCTCG CTGTTCTTG GGAGGGTCTC  
AGAACGTCAA CGTAGGCTGA ACACCAGAGC GACAAGGAAC CCTCCAGAG

6101 CTCTGAGTGA TTGACTACCC GTCAGCGGGG GTCTTTCATT CATGCAGCAT  
GAGACTCACT AACTGATGGG CAGTCGCCCC CAGAAAGTAA GTACGTCGTA

6151 GTATCAAAAT TAATTTGGTT TTTTTTCTTA AGTATTTACA TTAAATGGCC  
CATAGTTTTA ATTAAACCAA AAAAAAGAAT TCATAAATGT AATTTACCGG

6201 ATAGTTGCAT TAATGAATCG GCCAACGCGC GGGGAGAGGC GGTTCGCGTA  
TATCAACGTA ATTACTTAGC CGGTTGCGCG CCCCTCTCCG CCAAACGCAT

6251 TTGGCGCTCT TCCGCTTCCT CGCTCACTGA CTCGCTGCGC TCGGTGCTTC  
AACCAGGAGA AGGCGAAGGA GCGAGTGA CTGAGCGCGC AGCCAGCAAG

6301 GGCTGCGGCG AGCGGTATCA GCTCACTCAA AGGCGGTAAT ACGGTTATCC  
CCGACGCCGC TCGCCATAGT CGAGTGAGTT TCCGCCATTA TGCCAATAGG

6351 ACAGAATCAG GGGATAACGC AGGAAAGAAC ATGTGAGCAA AAGGCCAGCA  
TGTCTTAGTC CCTATTGCG TCCTTTCTTG TACTCTCGTT TTCCGGTCTG

6401 AAAGGCCAGG AACCCTAAAA AGGCCGCGTT GCTGGCGTTT TTCCATAGGC  
TTTCCGGTCC TTGGCATTTC TCCGGCGCAA CGACCGCAA AAGGTATCCG

6451 TCCGCCCCC TGACGAGCAT CACAAAAATC GACGCTCAAG TCAGAGGTGG  
AGGCGGGGGG ACTGCTCGTA GTGTTTTTAG CTGCGAGTTC AGTCTCCACC

6501 CGAAACCCGA CAGGACTATA AAGATACCAG GCGTTTCCCC CTGGAAGCTC  
GCTTTGGGCT GTCCTGATAT TTCTATGGTC CGCAAAGGGG GACCTTCGAG

6551 CCTCGTGCGC TCTCCTGTTT CGACCCTGCC GCTTACCGGA TACCTGTCCG  
GGAGGACGGG AGAGGACAAG GCTGGGACGG CGAATGGCCT ATGGACAGGC

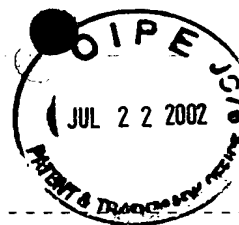
6601 CCTTTCTCCC TTCGGGAAGC GTGGCGCTTT CTCATAGCTC ACGCTGTAGG  
GGAAAGAGGG AAGCCCTTCG CACCGCGAAA GAGTATCGAG TGCGACATCC

FIG. 13H

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



```

6651 TATCTCAGTT CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA
      ATAGAGTCAA GCCACATCCA GCAAGCGAGG TTCGACCCGA CACACGTGCT
-----
6701 ACCCCCCGTT CAGCCCCGACC GCTGCGCCTT ATCCGGTAAC TATCGTCTTG
      TGGGGGGCAA GTCGGGCTGG CGACGCGGAA TAGGCCATTG ATAGCAGAAC
-----
6751 AGTCCAACCC GGTAAGACAC GACTTATCGC CACTGGCAGC AGCCACTGGT
      TCAGGTTGGG CCATTCTGTG CTGAATAGCG GTGACCGTCG TCGGTGACCA
-----
6801 AACAGGATTA GCAGAGCGAG GTATGTAGGC GGTGCTACAG AGTTCTTGAA
      TTGTCTAAT CGTCTCGCTC CATACATCCG CCACGATGTC TCAAGAACTT
-----
6851 GTGGTGGCCT AACTACGGCT AACTAGAAAG AACAGTATTT GGTATCTGCG
      CACCACCGGA TTGATGCCGA TGTGATCTTC TTGTCATAAA CCATAGACGC
-----
6901 CTCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG CTCTTGATCC
      GAGACGACTT CGGTCAATGG AAGCCTTTTT CTCAACCATC GAGAACTAGG
-----
6951 GGCAAAACAAA CCACCGCTGG TAGCGGTGGT TTTTTTGTTT GCAAGCAGCA
      CCGTTTGTTT GGTGGCGACC ATCGCCACCA AAAAAACAAA CGTTCGTCGT
-----
7001 GATTACGCGC AGAAAAAAG GATCTCAAGA AGATCCTTTG ATCTTTTCTA
      CTAATGCGCG TCTTTTTTTC CTAGAGTTCT TCTAGGAAAC TAGAAAAGAT
-----
7051 CGGGGTCTGA CGCTCAGTGG AACGAAACT CACGTTAAGG GATTTTGGTC
      GCCCCAGACT GCGAGTCACC TTGCTTTTGA GTGCAATTCC CTAAAACCAG
-----
7101 ATGAGATTAT CAAAAAGGAT CTTACCTAG ATCCTTTTGC GGCCGCAAAT
      TACTCTAATA GTTTTTCTTA GAAGTGGATC TAGGAAAACG CCGGCGTTTA
-----
7151 CAATCTAAAG TATATATGAG TAAACTTGGT CTGACAGTTA CCAATGCTTA
      GTTAGATTTC ATATATACTC ATTTGAACCA GACTGTCAAT GGTACGAAT
-----
7201 ATCAGTGAGG CACCTATCTC AGCGATCTGT CTATTTCTGT CATCCATAGT
      TAGTCACTCC GTGGATAGAG TCGCTAGACA GATAAAGCAA GTAGGTATCA
-----
7251 TGCCTGACTC CCCGTCGTGT AGATAACTAC GATACGGGAG GGCTTACCAT
      ACGGACTGAG GGGCAGCACA TCTATTGATG CTATGCCCTC CCGAATGGTA
-----
7301 CTGGCCCCAG TGCTGCAATG ATACCGCGAG ACCCAGCTC ACCGGCTCCA
      GACCGGGGTC ACGACGTTAC TATGGCGCTC TGGGTGCGAG TGGCCGAGGT
-----
7351 GATTTATCAG CAATAAACCA GCCAGCCGGA AGGGCCGAGC GCAGAAGTGG
      CTAATAGTC GTTATTTGGT CGGTCGGCCT TCCCGGCTCG CGTCTTCACC
-----
7401 TCCTGCAACT TTATCCGCCT CCATCCAGTC TATTAATTGT TGCCGGGAAG
      AGGACGTTGA AATAGGCGGA GGTAGGTCAG ATAATTAACA ACGGCCCTTC
-----
7451 CTAGAGTAAG TAGTTCGCCA GTTAATAGTT TGCGCAACGT TGTTCATT
      GATCTCATT C ATCAAGCGGT CAATTATCAA ACGCGTTGCA ACAACGGTAA
-----
7501 GCTACAGGCA TCGTGGTGTC ACGCTCGTCG TTTGGTATGG CTTCAATCAG
      CGATGTCCGT AGCACCACAG TGCGAGCAGC AAACCATACC GAAGTAAGTC
-----
7551 CTCCGGTTCC CAACGATCAA GGCGAGTTAC ATGATCCCCC ATGTTGTGCA
      GAGGCCAAGG GTTGCTAGTT CCGCTCAATG TACTAGGGGG TACAACACGT

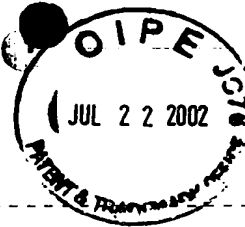
```

FIG. 13I

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900



7601 AAAAAGCGGT TAGCTCCTTC GGTCCCTCCGA TCGTTGTGAG AAGTAAGTTG  
TTTTTCGCCA ATCGAGGAAG CCAGGAGGCT AGCAACAGTC TTCATTCAAC

7651 GCCGCAGTGT TATCACTCAT GGTATATGGCA GCACTGCATA ATTCTCTTAC  
CGGCGTCACA ATAGTGAGTA CCAATACCGT CGTGACGTAT TAAGAGAATG

7701 TGTCATGCCA TCCGTAAGAT GCTTTTCTGT GACTGGTGAG TACTCAACCA  
ACAGTACGGT AGGCATTCTA CGAAAAGACA CTGACCACTC ATGAGTTGGT

7751 AGTCATTCTG AGAATAGTGT ATGCGGCGAC CGAGTTGCTC TTGCCCCGCG  
TCAGTAAGAC TCTTATCACA TACGCCGCTG GCTCAACGAG AACGGGCCGC

7801 TCAATACGGG ATAATACCGC GCCACATAGC AGAACTTTAA AAGTGCTCAT  
AGTTATGCCC TATTATGGCG CGGTGTATCG TCTTGAAATT TTCACGAGTA

7851 CATTGGAAAA CGTTCTTCGG GCGGAAAACT CTCAAGGATC TTACCGCTGT  
GTAACCTTTT GCAAGAAGCC CCGCTTTTGA GAGTTCCTAG AATGGCGACA

7901 TGAGATCCAG TTCGATGTAA CCCACTCGTG CACCCAACTG ATCTTCAGCA  
ACTCTAGGTC AAGCTACATT GGGTGAGCAC GTGGGTTGAC TAGAAGTCGT

7951 TCTTTTACTT TCACCAGCGT TTCTGGGTGA GCAAAAACAG GAAGGCAAAA  
AGAAAATGAA AGTGGTCGCA AAGACCCACT CGTTTTTGTC CTTCCGTTTT

8001 TGCCGCAAAA AAGGGAATAA GGGCGACACG GAAATGTTGA ATACTCATAC  
ACGGCGTTTT TTCCCTTATT CCCGCTGTGC CTTTACAACT TATGAGTATG

8051 TCTTCCTTTT TCAATATTAT TGAAGCATTT ATCAGGGTTA TTGTCTCATG  
AGAAGGAAAA AGTTATAATA ACTTCGTAAA TAGTCCCAAT AACAGAGTAC

8101 AGCGGATACA TATTTGAATG TATTTAGAAA AATAAACAAA TAGGGGTTCC  
TCGCCTATGT ATAAACTTAC ATAAATCTTT TTATTTGTTT ATCCCCAAGG

8151 GCGCACATTT C  
CGCGTGTAAG G

FIG. 13J

RECEIVED

JUL 25 2002

TECH CENTER 1600/2900